

**SECURE
YOUR WORLD**



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Welcome to the World of Great!

I was thrilled with GreatWhite's vision of providing an extraordinary lifestyle and was fascinated by the revolutionary products that brand has developed in the home electrical space.

The brand has redefined the meaning of comfort with solutions that are not only innovative but at the same time environment friendly too. The idea of creating a comfortable lifestyle with a sustainable environment is the true meaning of luxury and this enticed me for the association with the brand.

With this association as brand ambassador of GreatWhite, I feel privileged to promote luxury and comfort to consumers across the globe. The world is changing and I believe the need for convenience and safety is the need of the contemporary world. Brand's philosophy of providing a better life with innovative and ultra-modern solutions resonates with my personality. Moreover, the commitment towards work and relentless efforts to create the products of exceptional quality and standards, sync with my belief.

I welcome you to this journey of luxury indeed to a journey of Great.

Tiger Shroff for GreatWhite

Tiger Shroff



WIRES AND CABLES



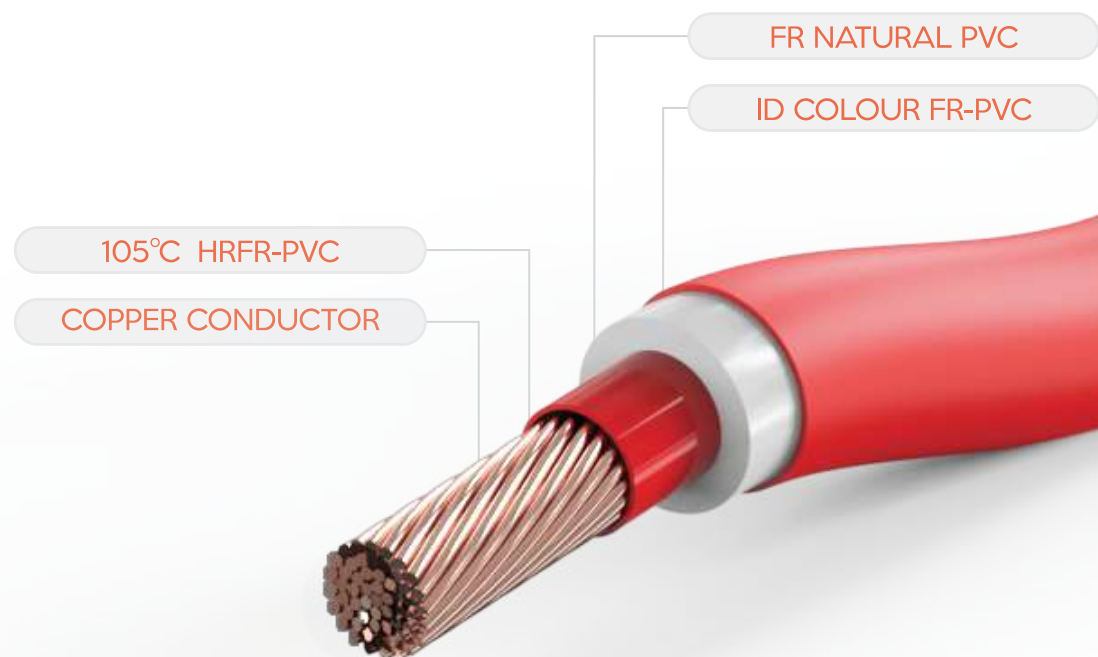


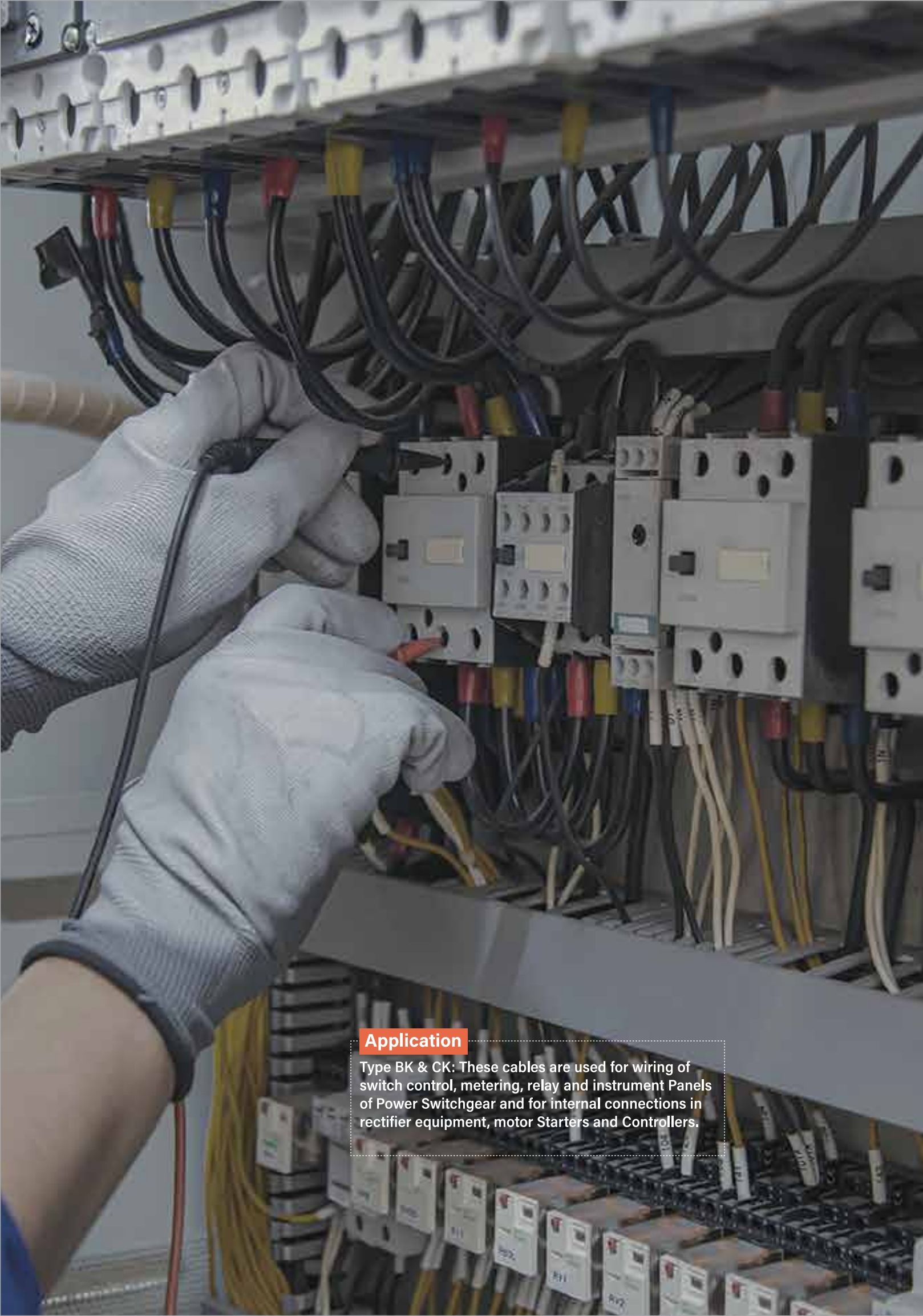
SecureX

FR-PVC With 105°C base Insulation

INTRODUCING

With over 50 years of experience in electrical solutions, we understand the importance of cables in electrical installation, as it connects various devices and appliances. The most important criterion for a cable is its suitability for a particular application and level of safety and protection. This is why we have 3 distinct categories of cable, ranging from normal/ regular to the special use as opposed to 'one solution for all approach, and guarantee effective safety.





Application

Type BK & CK: These cables are used for wiring of switch control, metering, relay and instrument Panels of Power Switchgear and for internal connections in rectifier equipment, motor Starters and Controllers.

FLEXIBLE PVC INSULATED NON SHEATHED SINGLE CORE

PANEL WIRE & CABLE RATED TEMPERATURE 70°C & 90°C

SPECIFICATION: BS 6231 Type BK & CK.



Construction Conductor

Plain annealed copper flexible as per class 5 of IEC 60228

Insulation

PVC Type TI 1 Rated 70°C as per BS EN 50363-3. (Type BK)
PVC Type TI 3 Rated 90°C as per BS EN 50363-3. (Type CK)

Available Colour

Red, Yellow, Blue, Black, Green-Yellow, Grey & White
Other colours are available upon request.

Printing Text

Type BK: GreatWhite SecureX FRFX "Size" 600/1000V Type BK Country of Origin
Type CK: GreatWhite SecureX FRFX "Size" 600/1000V "Type CK" Heat Resistance 90°C Country of Origin

Technical Data

Voltage Grade: 600/1000 Volts
Flame Retardent: IEC 60332-1
Minimum Bending Radius: 6 x Over all Diameter.
HSN Code: 85446090

Material Code	Conductor Cross Sectional Area (mm²)	Nos./Nom Diameter of Conductor Nos./mm	Class of Conductor	Nominal Radial Thickness (mm)	Approx Overall Dia. (mm)	Approx Weight (kg/km)	Conductor Resistance at 20° C (Max) Ω/km	Current Carrying Capacity at 30° C in Free Air (1 Phase) Amp.	Current Carrying Capacity at 30° C in Free Air (3 Phase) Amp.
BS-PWFX-0050	0.5	16/0.20	5	0.80	2.60	11	39	10	9
BS-PWFX-0075	0.75	24/0.20	5	0.80	2.70	13	26	12	11
BS-PWFX-0100	1	32/0.20	5	0.80	2.86	15	19.5	17	16
BS-PWFX-0150	1.5	30/0.25	5	0.80	3.15	21	13.3	21	20
BS-PWFX-0250	2.5	50/0.25	5	0.80	3.60	33	7.98	30	26
BS-PWFX-0400	4	56/0.30	5	0.80	4.20	49	4.95	40	36
BS-PWFX-0600	6	84/0.30	5	0.80	4.8	69	3.30	50	45
BS-PWFX-1000	10	140/0.30	5	1.00	6.1	116	1.91	68	61
BS-PWFX-1600	16	126/0.40	5	1.00	7.1	173	1.21	90	81
BS-PWFX-2500	25	196/0.40	5	1.20	8.8	266	0.78	118	106
BS-PWFX-3500	35	276/0.40	5	1.20	10.0	364	0.554	145	130
BS-PWFX-5000	50	396/0.40	5	1.40	11.9	520	0.386	175	160
BS-PWFX-7000	70	360/0.50	5	1.40	13.9	756	0.272	220	200
BS-PWFX-9500	95	475/0.50	5	1.60	15.9	996	0.206	270	240
BS-PWFX-12000	120	608/0.50	5	1.60	17.6	1257	0.161	310	280
BS-PWFX-15000	150	750/0.50	5	1.80	19.7	1572	0.129	355	320
BS-PWFX-18500	185	931/0.50	5	2.00	21.9	1872	0.106	405	365
BS-PWFX-24000	240	1200/0.50	5	2.20	24.5	2250	0.0801	500	420

Correction Factor for Ambient Temperature

Ambient temperature	10	15	20	30	35	40
Correction factor	1.22	1.17	1.12	1.07	0.94	0.87

Standard Packaging

Size in Sqmm	No of Core	Length	Number of Coils	Outer Carton
1	Single Core	100 Yard	16	1
1.5	Single Core	100 Yard	16	1
2.5	Single Core	100 Yard	16	1
4	Single Core	100 Yard	12	1
6	Single Core	100 Yard	8	1
10	Single Core	100 Yard	6	1
1	Single Core	100 Yard	4	1

Packing: Packing is available in Coil/Reel/Drum with Meter/Yards/Feet. Other lengths are available on request.

Special Feature: Type CK is also known as Tri-rated Equipment Wire Rated BS 6231: 90°C 600/1000V: UL 1015: 105° C 600V and CSA c 22.2: 105° C 600V



FLEXIBLE PVC INSULATED NON SHEATHED

SINGLE CORE CABLE RATED
TEMPERATURE 70°C & 90°C

SPECIFICATION: BS EN 50525-2-31 & IEC 60227-5

Application

These cables are used for the lighting purpose in residential and commercial building in surface mounted or embedded conduits. Suitable for earth DC when fixed installation inside appliances, switch gear and control gear.

Construction Conductor

Plain annealed copper flexible as per class 5 of IEC 60228

Insulation

PVC Type TI 1 Rated 70°C as per BS EN 50363-3.
PVC Type TI 3 Rated 90°C as per BS EN 50363-3.

Printing Text

GreatWhite CU/PVC "Size" "Voltage Grade" "Rated Temperature" "Year" & "Country of Origin"

Available Colour

Red, Yellow, Blue, Black, Green-Yellow, Grey & White
Other colours are available upon request.

Technical Data

Voltage Grade: 300/500 V up to 1.0 mm², 450/750 V for 1.5 mm² & above.

Flame Retardant: IEC 60332-1

Minimum Bending Radius: 6 x Over all Diameter.

HSN Code: 85446090



Material Code	Conductor Cross Sectional Area (mm ²)	Nos./Nom Diameter of Conductor Nos./mm	Class of Conductor	Nominal Radial Thickness (mm)	Maximum Overall Dia. (mm)	Approx Weight (kg/km)	Conductor Resistance at 20°C (Max) Ω/km	Current Carrying Capacity at 30°C in Free Air (1 Phase) Amp.	Current Carrying Capacity at 30°C in Free Air (3 Phase) Amp.
BS-FRFX-0050	0.5	16/0.20	5	0.60	2.5	9.5	39	-	-
BS-FRFX-0075	0.75	24/0.20	5	0.60	2.7	12.4	26	-	-
BS-FRFX-0100	1	32/0.20	5	0.60	2.8	15.2	19.5	17	16
BS-FRFX-0150	1.5	30/0.25	5	0.70	3.4	21.8	13.3	21	20
BS-FRFX-0250	2.5	50/0.25	5	0.80	4.1	34.1	7.98	30	26
BS-FRFX-0400	4	56/0.30	5	0.80	4.8	50.0	4.95	40	36
BS-FRFX-0600	6	84/0.30	5	0.80	5.3	70.6	3.30	50	45
BS-FRFX-1000	10	140/0.30	5	1.00	6.8	122	1.91	68	61
BS-FRFX-1600	16	126/0.40	5	1.00	8.1	175	1.21	90	81
BS-FRFX-2500	25	196/0.40	5	0.20	10.2	270	0.78	118	106
BS-FRFX-3500	35	276/0.40	5	0.20	11.7	373	0.554	145	130
BS-FRFX-5000	50	396/0.40	5	1.40	13.9	529	0.386	175	160
BS-FRFX-7000	70	360/0.50	5	1.40	16.0	756	0.272	220	200
BS-FRFX-9500	95	475/0.50	5	1.60	18.2	996	0.206	270	240
BS-FRFX-9500	120	608/0.50	5	1.60	20.2	1257	0.161	310	280
BS-FRFX-15000	150	750/0.50	5	1.80	22.5	1572	0.129	355	320
BS-FRFX-18500	185	931/0.50	5	2.00	21.9	1964	0.106	405	365

Correction Factor for Ambient Temperature

Ambient temperature	35	40	45	50	55	60
Correction factor	0.94	0.87	0.79	0.71	0.61	0.50

Cenelec Code

USAGE	General Purpose	Heat Resistance (900C)
Fixed Wiring	H07V-K	H07V2-K
Internal Wiring	H05V-K	H05V2-K

Packing: Packing is available in Coil/Reel/Drum with Meter/Yards/Feet.
Other lengths are available upon request.

Standard Packaging

Size in Sqmm	No of Core	Length	Number of Coils	Outer Carton
1	Single Core	100 Yard	16	1
1.5	Single Core	100 Yard	16	1
2.5	Single Core	100 Yard	16	1
4	Single Core	100 Yard	12	1
6	Single Core	100 Yard	8	1
10	Single Core	100 Yard	6	1
1	Single Core	100 Yard	4	1

Special Feature: This Cable ia also available with rated temperature 105°C confirming to UL-Standard.



PVC INSULATED NON SHEATHED

SINGLE CORE CABLE RATED
TEMPERATURE 70°C & 90°C

SPECIFICATION: BS EN 50525-2-31 & IEC 60227-3

Application

These cables are used for the lighting purpose in residential and commercial building in surface mounted or embedded conduits. Suitable for earth DC when fixed installation inside appliances, switch gear and control gear.

Construction Conductor

Plain annealed copper to IEC 60228, Solid Conductor corresponds to class 1, Standard Conductor corresponds to class 2.

Insulation

PVC Type TI 1 Rated 70°C as per BS EN 50363-3.
PVC Type TI 3 Rated 90°C as per BS EN 50363-3.

Printing Text

GreatWhite CU/PVC "Size" "Voltage Grade" "Rated Temperature" "Year" & "Country of Origin"

Available Colour

Red, Yellow, Blue, Black, Green-Yellow, Grey & White
Other colours are available upon request.

Technical Data

Voltage Grade: 300/500 V up to 1.0 mm², 450/750 V for 1.5 mm² & above.
Flame Retardent: IEC 60332-1
Minimum Bending Radius: 6 x Over all Diameter.
HSN Code: 85446090



Material Code	Conductor Cross Sectional Area (mm²)	Class of Conductor	Nominal Radial Thickness (mm)	Maximum Overall Dia. (mm)	Approx Weight (kg/km)	Conductor Resistance at 20°C (Max) Ω/km	Current Carrying Capacity at 30°C in Free Air (1 Phase) Amp.	Current Carrying Capacity at 30°C in Free Air (3 Phase) Amp.
BSFR-0050-1	0.5	1	0.60	2.3	9	36	-	-
BSFR-0075-1	0.75	1	0.60	2.5	11	24.5	-	-
BSFR-0100-1	1	1	0.60	2.7	14	18.1	17	16
BSFR-0150-1	1.5	1	0.70	3.2	21	12.1	21	20
BSFR-0250-1	2.5	1	0.80	3.9	33	7.41	30	26
BSFR-0400-1	4	1	0.80	4.4	48	4.61	40	36
BSFR-0600-1	6	1	0.80	5.0	67	3.08	50	45
BSFR-0150-2	1.5	2	0.70	3.3	22	12.1	21	20
BSFR-0250-2	2.5	2	0.80	4	34	7.41	30	26
BSFR-0400-2	4	2	0.80	4.6	51	4.61	40	36
BSFR-0600-2	6	2	0.80	5.2	71	3.08	50	45
BSFR-1000-2	10	2	1.00	6.7	119	1.83	68	61
BSFR-1600-2	16	2	1.00	7.8	170	1.15	90	81
BSFR-2500-2	25	2	1.20	9.7	281	0.727	118	106
BSFR-3500-2	35	2	1.20	10.9	379	0.524	145	130
BSFR-5000-2	50	2	1.40	12.8	509	0.387	175	160
BSFR-7000-2	70	2	1.40	14.6	717	0.268	220	200
BSFR-9500-2	95	2	1.60	17.1	990	0.193	270	240
BSFR-12000-2	120	2	1.60	18.8	1227	0.153	310	280
BSFR-15000-2	150	2	1.80	20.9	1510	0.124	355	320
BSFR-18500-2	185	2	2.00	23.3	1892	0.0991	405	365

Correction Factor for Ambient Temperature

Ambient temperature	35	40	45	50	55	60
Correction factor	0.94	0.87	0.79	0.71	0.61	0.50

Cenelec Code

USAGE	General Purpose	Heat Resistance (90°C)
Fixed Wiring	H07V-U, H07V-R	H07V2-U, H07V2-R
Internal Wiring	H05V-U, H05V-R	H05V2-U, H05V2-R

Packing: Packing is available in Coil/Reel/Drum with Meter/Yards/Feet.
Other lengths are available upon request.

Special Feature: This Cable ia lalso available with rated temperature 105°C confirming to UL-Standard.



ZERO SMOKE ZERO HALOGEN INSULATED

SINGLE CORE WIRING CABLE
RATED TEMPERATURE 90° C

SPECIFICATION: BS EN 50525-3-41



Construction Conductor

Plain annealed copper flexible as per class 2 of IEC 60228

Insulation

Low Smoke Zero Halogen Compound Type EI 5 as per BS EN 50363-5

Printing Text

GreatWhite SecureX LSZH "Size" 450/750V "Rated Temperature" & "Country of Origin"

Available Colour

Red, Yellow, Blue, Black, Green-Yellow, Grey & White
Other colours are available upon request.

Technical Data

Voltage Grade: 450/750 V

Flame Retardant: IEC 60332-1

Halogen Acid Gas: Max. 0.5% to IEC 60754-1

Light Transmittance: ≥ 60% to IEC 61034-2

Minimum Bending Radius: 6 x Over all Diameter.

HSN Code: 85446090

Material Code	Conductor Cross Sectional Area (mm²)	Class of Conductor	Nominal Radial Thickness (mm)	Approx Overall Dia. (mm)	Approx Weight (kg/km)	Conductor Resistance at 20° C (Max) Ω/km	Current Carrying Capacity at 30° C in Free Air (1 Phase) Amp.	Current Carrying Capacity at 30° C in Free Air (3 Phase) Amp.
BSLS-0150-2	1.5	2	0.70	3.10	22	12.1	21	20
BSLS-0250-2	2.5	2	0.80	3.70	34	7.41	30	26
BSLS-0400-2	4	2	0.80	4.20	51	4.61	40	36
BSLS-0600-2	6	2	0.80	4.80	71	3.08	50	45
BSLS-1000-2	10	2	1.00	7.20	119	1.83	68	61
BSLS-1600-2	16	2	1.00	7.20	170	1.15	90	81
BSLS-2500-2	25	2	1.20	8.90	281	0.727	118	106
BSLS-3500-2	35	2	1.20	10.10	379	0.524	145	130
BSLS-5000-2	50	2	1.40	11.90	509	0.387	175	160
BSLS-7000-2	70	2	1.40	13.60	717	0.268	220	200
BSLS-9500-2	95	2	1.60	16.00	990	0.193	270	240
BSLS-12000-2	120	2	1.60	17.60	1227	0.153	310	280
BSLS-15000-2	150	2	1.80	19.50	1510	0.124	355	320
BSLS-18500-2	185	2	2.00	21.90	1892	0.0991	405	365

Correction Factor for Ambient Temperature

Ambient temperature	35	40	45	50	55	60
Correction factor	1.94	0.87	0.79	0.71	0.61	0.50

Standard Packaging

Size in Sqmm	No of Core	Length	Number of Coils	Outer Carton
1	Single Core	100 Yard	16	1
1.5	Single Core	100 Yard	16	1
2.5	Single Core	100 Yard	16	1
4	Single Core	100 Yard	12	1
6	Single Core	100 Yard	8	1
10	Single Core	100 Yard	6	1
1	Single Core	100 Yard	4	1

Packing: Packing is available in Coil/Reel/Drum with Meter/Yards/Feet.
Other lengths are available on request.

Application

These cables are used for the purpose of lighting in residential and commercial building in surface mounted or embedded conduits. Suitable for Earth DC when fixed installation inside appliances, switch gear and control gear.



MULTI CORE FLEXIBLE PVC INSULATED PVC

SHEATHED CABLE RATED TEMPERATURE 70°C & 90°C
SPECIFICATION: BS EN 50525-2-11

Construction Conductor

Plain annealed copper flexible as per class 5 of IEC 60228.

Insulation

PVC Type TI 2 Rated 70°C as per BS EN 50363-3.
PVC Type TI 3 Rated 90°C as per BS EN 50363-3.

Colour Code

Two Core : Blue & Brown
Three Core : Green-Yellow, Blue & Brown.
Four Core: Green-Yellow, Black, Blue & Brown.

Assembly

Cores twisted together to make a round assembly with fillers wherever necessary.

Outer Sheath

PVC Type TM 2 as per BS EN 50363-4-1 & PVC Type TM 3 as per BS EN 50363-4-1,
Outer Sheath colour shall be white. Outer colour can be supplied on request.

Technical Data

Voltage Grade: 300/300 V R.M.S.
Flame Retardent: IEC 60332-1
Minimum Bending Radius: 6 x Over all Diameter.
Max. Short Circuit Temperature: 160°C (max.duration 5 sec.)
HSN Code: 85446090

Material Code	No of Cores	Conductor Cross Sectional Area (mm ²)	Nom Radial Thickness of Insulation mm	Nom Radial Thickness of Sheath mm	Maximum Overall Dia. (mm)	Approx Weight (kg/km)	Conductor Resistance at 20°C (Max) Ω/km	Current Carring Capacity at 30°C in free air (1 Phase) Amp.	Current Carring Capacity at 30°C in free air (3 Phase) Amp.
BSR-100-2Cx0.50	2	0.50	0.60	0.80	6.8	52	39.0	3	3
BSR-100-2Cx0.75	2	0.75	0.60	0.80	7.2	63	26.0	6	6
BSR-100-3Cx0.50	3	0.50	0.60	0.80	7.2	60	39.0	3	3
BSR-100-3Cx0.75	3	0.75	0.60	0.80	7.5	74	26.0	6	6
BSR-100-4Cx0.50	4	0.50	0.60	0.80	7.9	72	39.0	3	3
BSR-100-4Cx0.75	4	0.75	0.60	0.80	8.3	83	26.0	6	6

Correction Factor for Ambient Temperature.

Ambient temperature	35	40	45	50	55
Correction factor	0.96	0.92	0.87	0.71	0.5

Packing: Packing is available in Coil/Reel/Drum with Meter/Yards/Feet. Other lengths are available upon request.

Special Feature: This Cable ia laso available with rated temperature 105°C confirming to UL-Standard.

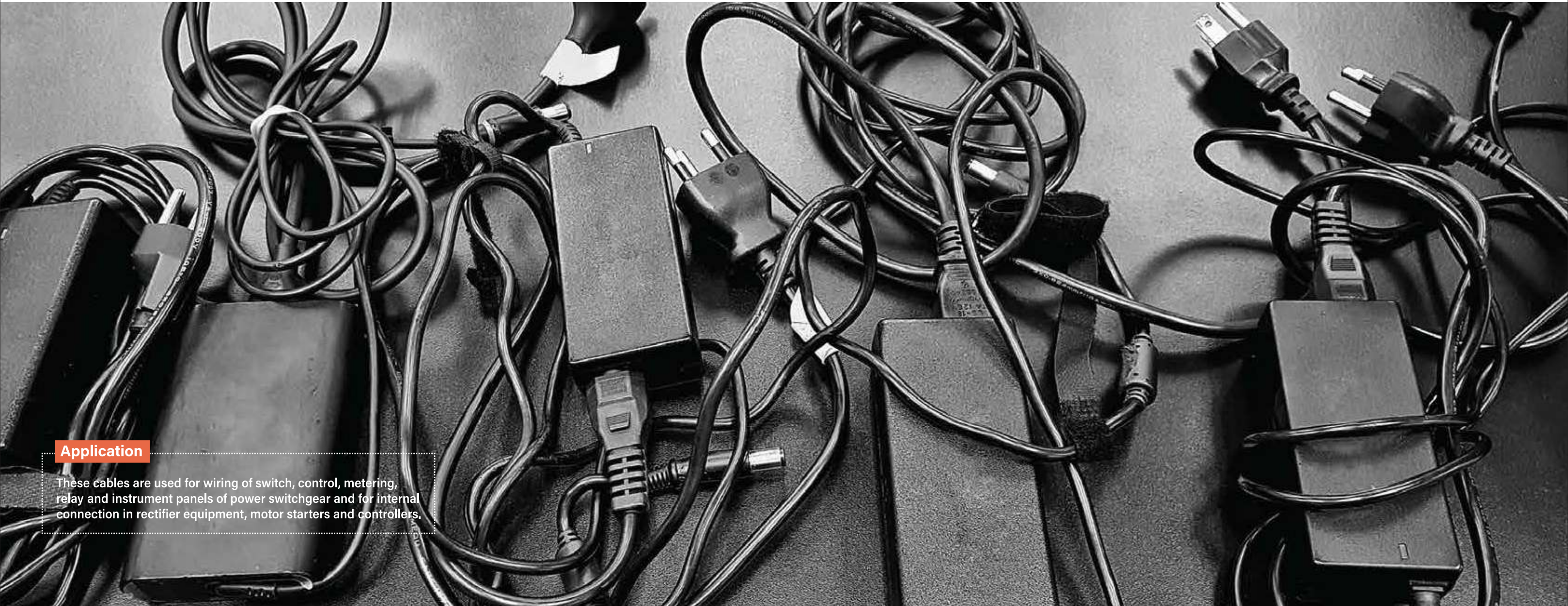
Cenelec Code

USAGE	70°C	90°C
Light Duty	H03VV-F	H03V2V2-F



Application

These cables are used for wiring of switch, control, metering, relay and instrument panels of power switchgear and for internal connection in rectifier equipment, motor starters and controllers.



MULTI CORE FLEXIBLE PVC INSULATED PVC

SHEATHED CABLE RATED TEMPERATURE 70°C & 90°C

SPECIFICATION: BS EN 50525-2-11 & IEC 60227-5



Assembly

Cores twisted together to make a round assembly with fillers wherever necessary.

Outer Sheath

PVC Type TM 2 as per BS EN 50363-4-1 & PVC Type TM 3 as per BS EN 50363-4-1, Outer Sheath colour shall be white, but any other colour can be supplied on request.

Technical Data

Voltage Grade: 300/500 V R.M.S.
Flame Retardent: IEC 60332-1
Minimum Bending Radius: 6 x Over all Diameter.
Max. Short Circuit Temperature: 160°C (max. duration 5 sec.)
HSN Code: 85446090

Construction Conductor

Plain annealed copper flexible as per class 5 of IEC 60228.

Insulation

PVC Type TI 2 Rated 70°C as per BS EN 50363-3.
PVC Type TI 3 Rated 90°C as per BS EN 50363-3.

Colour Code

Two Core : Blue & Brown
Three Core : Green-Yellow, Blue & Brown.
Four Core: Green-Yellow, Black, Blue & Brown.
Five Core : Green-Yellow, Blue, Brown, Black & Grey.

Material Code	No of Cores	Conductor Cross Sectional Area (mm²)	Nom Radial Thickness of Insulation mm	Nom Radial Thickness of Sheath mm	Maximum Overall Dia. (mm)	Approx Weight (kg/km)	Conductor Resistance at 20°C (Max) Ω/km	Current Carrng Capacity at 30°C in free air (1 Phase) Amp.	Current Carrng Capacity at 30°C in free air (3 Phase) Amp.
BSR-100-2Cx0.75	2	0.75	0.60	0.80	7.2	63	26.0	6	6
BSR-100-2Cx1.0	2	1.00	0.60	0.80	7.2	73	19.5	10	10
BSR-100-2Cx1.5	2	1.50	0.70	0.80	8.6	95	13.3	16	16
BSR-100-2Cx2.5	2	2.50	0.80	1.00	1.06	145	7.98	25	20
BSR-100-2Cx4.0	2	4.00	0.80	1.10	11.8	190	4.95	32	25
BSR-100-3Cx0.75	3	0.75	0.60	0.80	7.5	74	26.0	6	6
BSR-100-3Cx1.0	3	1.00	0.60	0.80	8.0	86	19.5	10	10
BSR-100-3Cx1.5	3	1.50	0.70	0.90	9.4	120	13.3	16	16
BSR-100-3Cx2.5	3	2.50	0.80	1.10	11.4	180	7.98	25	20
BSR-100-3Cx4.0	3	4.00	0.80	1.20	12.6	236	4.95	32	25
BSR-100-4Cx0.75	4	0.75	0.60	0.80	8.3	83	26.0	6	6
BSR-100-4Cx1.0	4	1.00	0.60	0.90	9.3	101	19.5	10	10
BSR-100-4Cx1.5	4	1.50	0.70	1.00	10.5	141	13.3	16	16
BSR-100-4Cx2.5	4	2.50	0.80	1.10	12.5	214	7.98	25	20
BSR-100-4Cx4.0	4	4.00	0.80	1.20	14.0	286	4.95	32	25
BSR-100-5Cx0.75	5	0.75	0.60	0.90	9.2	113	26.0	6	6
BSR-100-5Cx1.0	5	1.00	0.60	0.90	9.6	130	19.5	10	10
BSR-100-5Cx1.5	5	1.50	0.70	1.10	11.2	171	13.3	16	16
BSR-100-5Cx2.5	5	2.50	0.80	1.20	13.3	265	7.98	25	20
BSR-100-5Cx4.0	5	4.00	0.80	1.40	15.3	353	4.95	32	25

Correction Factor for Ambient Temperature.

Ambient temperature	35	40	45	50	50
Correction factor	0.96	0.92	0.87	0.71	0.5

Packing: Packing is available in Coil/Reel/Drum with Meter/Yards/Feet. Other lengths are available upon request.
Special Feature: This Cable ia laso available with rated temperature 105°C confirming to UL-Standard.

Cenelec Code

USAGE	70°C	90°C	USAGE	70°C	90°C
Light Duty	H03VV-F	H03V2V2-F	Ordinary Duty	H05VV-F	H05V2V2-F



Application

These cables are useful for use in dry or damp locations for medium duties in domestic premises. Kitchens and offices. Suitable for washing machines, refrigeratores etc. Can be used for cooking and heating appliances provided that the cable dose not come incontact with the hot parts.



MULTI CORE FLEXIBLE PVC INSULATED PVC

SHEATHED CABLE RATED TEMPERATURE 70°C & 90°C

SPECIFICATION: Adapted from VDE-0281 & VDE-0250



Construction Conductor

Plain annealed copper flexible as per class 5 of IEC 60228.

Insulation

PVC Type TI 2 Rated 70°C as per BS EN 50363-3.
PVC Type TI 3 Rated 90°C as per BS EN 50363-3.

Colour Code

Two Core: Blue & Brown.
Three Core: Green-Yellow, Blue & Brown.
Four Core: Green-Yellow, Black, Blue & Brown.
Five Core: Green-Yellow, Blue, Brown, Black & Grey.

Assembly

Cores twisted together to make a round assembly with fillers wherever necessary.

Outer Sheath

PVC Type TM 2 as per BS EN 50363-4-1 & PVC Type TM 3 as per BS EN 50363-4-1,
Outer Sheath colour shall be white, but any other colour can be supplied on request.

Technical Data

Voltage Grade: 300/500 V R.M.S.
Flame Retardant: IEC 60332-1
Minimum Bending Radius: 6 x Over all Diameter.
Max. Short Circuit Temperature: 160°C (max. duration 5 sec.)
HSN Code: 85446090



Application

This flexible control cable is suitable for all electrical installations in dry or humid location, under industrial conditions, but not in the open air. Applications include machine tool manufacture, power stations, heating and air conditioning installations etc.

Material Code	No of Cores	Conductor Cross Sectional Area (mm²)	Nominal Radial Thickness (mm)	Outer Sheath Thickness (mm)	Approx Overall Dia. (mm)	Approx Weight (kg/km)	Conductor Resistance at 20°C (Max) Ω/km	Current Carrying Capacity at 30°C in air Amp.
BSR-100-2Cx6.0	2	6	0.80	1.0	12.0	257	3.39	44
BSR-100-2Cx10	2	10	1.00	1.1	14.7	402	1.91	60
BSR-100-2Cx16	2	16	1.00	1.1	17.5	589	1.21	79
BSR-100-2Cx25	2	25	1.20	1.2	21.4	896	0.78	104
BSR-100-2Cx35	2	35	1.20	1.2	24.2	1204	0.55	127
BSR-100-3Cx6.0	3	6	0.80	1.0	12.8	322	3.30	43
BSR-100-3Cx10	3	10	1.00	1.1	16.4	534	1.91	59
BSR-100-3Cx16	3	16	1.00	1.2	19.3	781	1.21	78
BSR-100-3Cx25	3	25	1.20	1.2	22.8	1148	0.78	102
BSR-100-3Cx35	3	35	1.20	1.4	26.0	1550	0.55	125
BSR-100-4Cx6.0	4	6	0.80	1.0	14.0	396	3.30	42
BSR-100-4Cx10	4	10	1.00	1.2	17.9	657	1.91	57
BSR-100-4Cx16	4	16	1.00	1.2	21.0	665	1.21	76
BSR-100-4Cx25	4	25	1.20	1.4	25.6	1465	0.78	100
BSR-100-4Cx35	4	35	1.20	1.4	28.5	1932	0.55	122
BSR-100-5Cx6.0	5	6	0.80	1.1	15.4	363	3.30	41
BSR-100-5Cx10	5	10	1.00	1.2	20.3	818	1.91	56
BSR-100-5Cx16	5	16	1.00	1.2	23.1	1158	1.21	75
BSR-100-5Cx25	5	25	1.20	1.4	28.1	1761	0.78	98
BSR-100-5Cx35	5	35	1.20	1.6	32.0	2378	0.55	120

Correction factor for ambient temperature.

Ambient temperature	35	40	45	50	55	60
Correction factor	0.96	0.92	0.87	0.71	0.61	0.50

Packing: Packing is available in Coil/Reel/Drum with Meter/Yards/Feet.

Other lengths are available upon request.

PVC INSULATED PVC SHEATHED FLAT CABLES

WITH EARTH CONTINUITY (E.C.C)

SPECIFICATION: BS EN 50525-2-11

Construction Conductor

Plain annealed Solid copper as per class 5 of IEC 60228.

Insulation

PVC Type T11 as per BS EN 50363-3. Two cores lay parallel with bare ECC at center and sheathed

Colour Code

Blue & Brown.

Outer Sheath

PVC Type TM 1 as per BS EN 50363-4-1. Outer Sheath colour shall be Grey. Other colour are also available on request.

Technical Data

Temperature Range: -25°C to 70°C.

Voltage Rating : 300/500V R.M.S

HSN Code: 85446090

Material Code	No of Cores	Conductor Cross Sectional Area (mm²)	ECC Conductor Cross Sectional Area (mm2)	Nominal Radial Thickness (mm)	Outer Sheath Thickness (mm)	Approx Overall Dia. Lower Limit (mm)	Approx Overall Dia. Upper Limit (mm)	Approx Weight (kg/km)	Conductor Resistance at 20° C (Max) Ω/km	Current Carrying Capacity at 30° C in free air (1 Phase) Amp.	Current Carrying Capacity at 30° C in free air (3 Phase) Amp.
BS-FTFR-100-2C x 1.5	2	1.5	1.0	0.70	0.90	4.2 x 8.0	5.0 x 9.2	88	13.30	20	17
BS-FTFR-100-2C x 2.5	2	2.5	1.5	0.70	0.90	5.2 x 9.6	6.0 x 11.2	135	7.98	27	24

Packing: Packing is available in Coil/Reel/Drum with Meter/Yards/Feet.
Other lengths are available upon request.



Application

Mainly for domestic and industrial wiring where there is little risk of mechanical damage.

PVC INSULATED PVC SHEATHED CABLES

FLAT TWIN AND THREE CORE

SPECIFICATION: BS EN 50252-2-31



Construction Conductor

Plain annealed Solid copper as per class 1 of IEC 60228.

Insulation

PVC Type TI 1 as per BS EN 50363-3. Two cores lay parallel with bare ECC at center and sheathed

Colour Code

Twin core: Blue & Black
Three core: Red Yellow(Center core) and Blue

Outer Sheath

PVC Type TM 1 as per BS EN 50363-4-1.
Outer Sheath colour shall be Grey.
Other colour are also available on request.

Technical Data

Temperature Range: 25°C to 70°C.
Voltage Rating : 300/500V R.M.S
HSN Code: 85446090



Material Code
BS-FTFR-100-2C x 1.0-1
BS-FTFR-100-2C x 1.5-1
BS-FTFR-100-2C x 2.5-1
BS-FTFR-100-2C x 4.0-1
BS-FTFR-100-2C x 6.0-1
BS-FTFR-100-2C x 1.5-2
BS-FTFR-100-2C x 2.5-2
BS-FTFR-100-2C x 4.0-2
BS-FTFR-100-2C x 6.0-2
BS-FTFR-100-2C x 10-2
BS-FTFR-100-2C x 16-2
BS-FTFR-100-3C x 1.0-1
BS-FTFR-100-3C x 1.5-1
BS-FTFR-100-3C x 2.5-1
BS-FTFR-100-3C x 4.0-2
BS-FTFR-100-3C x 6.0-2
BS-FTFR-100-3C x 10-2
BS-FTFR-100-3C x 16-2

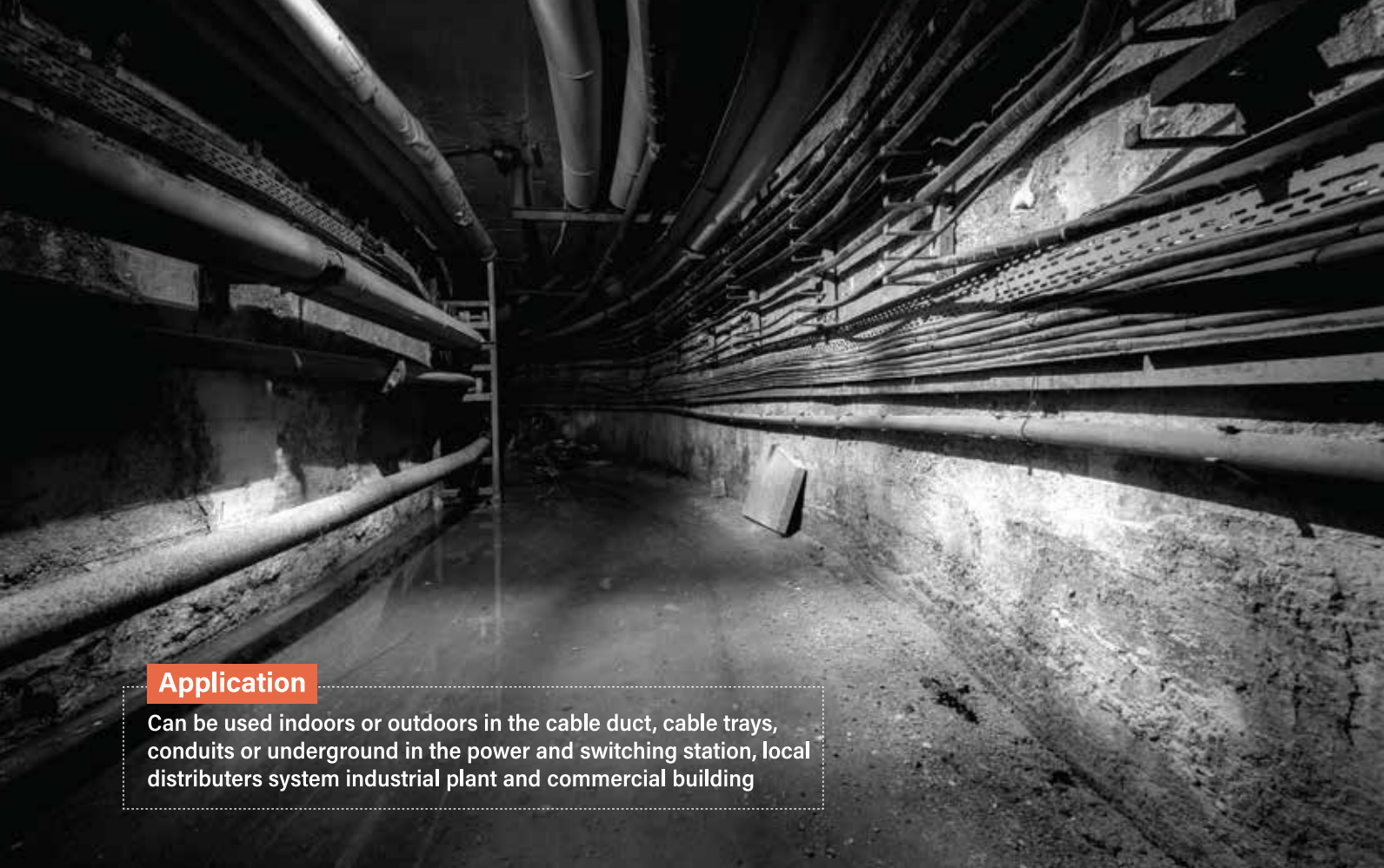
No of Cores	Conductor Cross Sectional Area (mm²)	ECC Conductor Cross Sectional Area (mm²)	Nominal Radial Thickness (mm)	Outer Sheath Thickness (mm)	Approx Overall Dia. (mm)	Approx Weight (kg/km)	Conductor Resistance at 20°C (Max) Ω/km	Current Carring Capacity at 20°C in Ground Amp.	Current Carring Capacity at 30°C in free air Amp.
2	1.0	1	0.60	0.90	6.8 x 4.4	53	18.1	-	-
2	1.5	1	0.70	0.90	7.7 x 4.8	70	12.1	32	20
2	2.5	1	0.80	0.90	8.9 x 5.4	100	7.41	42	27
2	4	1	0.80	1.00	10.1 x 6.1	139	4.61	54	37
2	6	1	0.80	1.00	11.1 x 6.6	185	3.08	68	48
2	1.5	2	0.70	0.90	8.1 5.0	76	12.1	32	20
2	2.5	2	0.80	1.00	9.5 5.9	110	7.41	42	27
2	4	2	0.80	1.00	10.7 x 6.4	148	4.61	54	37
2	6	2	0.80	1.10	12.0 x 7.2	201	3.08	68	48
2	10	2	1.00	1.20	14.9x 8.8	319	1.83	90	66
2	16	2	1.00	1.30	17.3 x 10.1	461	1.15	116	89
3	1.0	1	0.60	0.90	9.2 x 4.4	76	18.1	-	-
3	1.5	1	0.70	0.90	10.5 x 4.8	102	12.1	26	18
3	2.5	1	0.80	1.00	12.6 x 5.7	152	7.41	34	35
3	4	2	0.80	1.10	15.1 x 6.7	224	4.61	44	34
3	6	2	0.80	1.10	16.8 x 7.2	296	3.08	56	43
3	10	2	1.00	1.20	21.1 x 8.8	474	1.83	75	60
3	16	2	1.00	1.30	24.5 x 10.1	686	1.15	98	80

Packing: Packing is available in Coil/Reel/Drum with Meter/Yards/Feet. Other lengths are available upon request.

Application

These cables are used in dry or damp locations for fixed installation. Suitable for installation in walls, on boards or embedded in plaster.

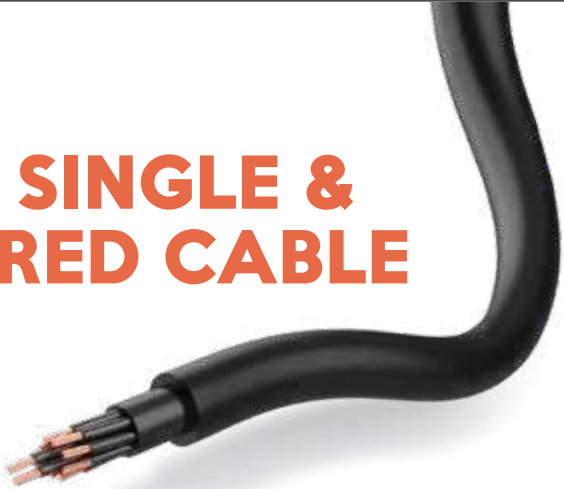




POWER AND CONTROL, SINGLE & MULTICORE, UNARMoured CABLE

CU/XLPE/PVC

SPECIFICATION: IEC 60502-1



Construction Conductor

Stranded annealed plain circular copper class 2 of IEC 60228

Insulation

Cross Linked Polyethylene (XLPE) to IEC 60502-1

Colour Code

Single Core - Black or Natural

Two Core - Red & Black

Three Core - Red, Yellow & Blue

Four Core - Red, Yellow, Blue & Black for cable

Five & above Core - Black cores with Number printing

Marking on the sheath

GreatWhite CU/XLPE/PVC No of core C x Size Sqmm 600/1000V IEC 60502-1 meter marking.

Over Sheath

Flame retardant PVC Type ST-2 as per IEC 60502-1 and confirming to IEC 60332-1. the colour of the sheath shall be black. Other sheath colours are also available on request.

Cabling

Cores are assembled in a concentric layer with filler (ifnecessary) for up to 4 Cores. Assembly with 5 cores or more is wrapped with a polyester tape with filler (if necessary).

Technical Data

Temperature Range: -5°C to 90°C

Voltage Rating (V/Minute): 3500 RMS/5 or 8400 DC/5

Min. Bending Raduis (mm): 4 x Cable Overall Diameter (Up to 25mm Over all Diameter of cable)
6 x Cable Overall Diameter (Above 25mm Over all Diameter of cable)

Max Short Circuit Temp °C: 250 (for 5 second Maximum)

HSN Code: 85446090

Application

Can be used indoors or outdoors in the cable duct, cable trays, conduits or underground in the power and switching station, local distributors system industrial plant and commercial building



Material Code	No of Core (Nos)	Conductor Cross Sectional Area (mm²)	Insulation thickness (mm)	Outer Sheath Thickness (Mm)	Approx Overall Dia (mm)	Approx Weight of Cable (Kg/Km)
BS-2XUA 1Cx1.5	1	1.5	0.70	1.40	5.90	51
BS-2XUA 1Cx2.5	1	2.5	0.70	1.40	6.30	63
BS-2XUA 1Cx4.0	1	4	0.70	1.40	6.80	80
BS-2XUA 1Cx6.0	1	6	0.70	1.40	7.40	105
BS-2XUA 1Cx10	1	10	0.70	1.40	8.30	150
BS-2XUA 1Cx16	1	16	0.70	1.40	9.30	211
BS-2XUA 1Cx25	1	25	0.90	1.40	11.00	312
BS-2XUA 1Cx35	1	35	0.90	1.40	12.10	411
BS-2XUA 1Cx50	1	50	1.00	1.40	13.70	539
BS-2XUA 1Cx70	1	70	1.10	1.40	15.70	749
BS-2XUA 1Cx95	1	95	1.10	1.50	17.70	1007
BS-2XUA 1Cx120	1	120	1.20	1.50	19.90	1271
BS-2XUA 1Cx150	1	150	1.40	1.60	22.10	1560
BS-2XUA 2Cx1.5	2	1.5	0.70	1.80	9.8	133
BS-2XUA 3Cx1.5	3	1.5	0.70	1.80	10.3	154
BS-2XUA 3Cx2.5	3	2.5	0.70	1.80	11.2	196
BS-2XUA 3Cx4.0	3	4	0.70	1.80	12.3	256
BS-2XUA 3Cx6.0	3	6	0.70	1.80	13.6	340
BS-2XUA 3Cx10	3	10	0.70	1.80	15.5	490
BS-2XUA 3Cx16	3	16	0.70	1.80	17.7	698
BS-2XUA 3Cx25	3	25	0.90	1.80	21.3	1047
BS-2XUA 3Cx35	3	35	0.90	1.80	23.8	1388
BS-2XUA 3Cx50	3	50	1.00	1.80	27.1	1825
BS-2XUA 3Cx70	3	70	1.10	1.90	31.6	2562
BS-2XUA 3Cx95	3	95	1.10	2.00	35.8	3436
BS-2XUA 4Cx1.5	4	1.5	0.70	1.80	11.1	182
BS-2XUA 4Cx2.5	4	2.5	0.70	1.80	12.1	235
BS-2XUA 4Cx4.0	4	4	0.70	1.80	13.3	311
BS-2XUA 4Cx6.0	4	6	0.70	1.80	14.7	416
BS-2XUA 4Cx10	4	10	0.70	1.80	16.9	611

DC Conductor Resistance at 20° C Max. (Ohm/Km)	Ac Cond. Res. At 90 Deg C Max (Ohm/Km)	Inductance At 50-60Hz (Milih/Km)	Inductive Reactance At 50-60 Hz (Ohm/Km)	Impedance At 50-60Hz & At 90 Deg. C (Ohm/Km)	Cond.Short Circuit Current Rating (Kamp/Sec)	*Current Carring Capacity At 20° C In Ground Amp.	*Current Carring CapacityAt 30° C In Air Amp.
12.1	15.430	0.336	0.106	15.43	0.21	38	32
7.41	9.450	0.314	0.099	9.449	0.35	51	43
4.61	5.880	0.295	0.093	5.879	0.56	66	56
3.08	3.930	0.281	0.088	3.928	0.85	82	71
1.83	2.330	0.266	0.084	2.335	1.41	109	96
1.15	1.470	0.255	0.080	1.469	2.26	139	128
0.727	0.927	0.255	0.080	0.93	3.53	179	173
0.524	0.668	0.248	0.078	0.673	4.95	213	212
0.387	0.493	0.245	0.077	0.499	7.07	251	258
0.268	0.342	0.242	0.076	0.268	9.9	307	328
0.193	0.250	0.236	0.074	0.257	13.44	366	404
0.153	0.200	0.228	0.072	0.208	16.98	416	471
0.124	0.160	0.225	0.071	0.173	21.22	465	541
12.1	15.430	0.336	0.106	15.43	0.21	37	26
12.1	15.430	0.336	0.106	15.43	0.21	30	24
7.41	9.450	0.314	0.099	9.449	0.35	40	32
4.61	5.880	0.295	0.093	5.879	0.56	52	42
3.08	3.930	0.281	0.088	3.928	0.85	64	53
1.83	2.330	0.266	0.084	2.335	1.41	86	73
1.15	1.470	0.255	0.08	1.469	2.26	111	96
0.727	0.927	0.255	0.08	0.93	3.53	143	130
0.524	0.668	0.248	0.078	0.673	4.95	173	160
0.387	0.493	0.245	0.077	0.499	7.07	205	195
0.268	0.342	0.242	0.076	0.268	9.90	252	247
0.193	0.250	0.236	0.074	0.257	13.44	303	305
12.1	15.430	0.336	0.106	15.43	0.21	30	24
7.41	9.450	0.314	0.099	9.449	0.35	40	32
4.61	5.880	0.295	0.093	5.879	0.56	52	42
3.08	3.930	0.281	0.088	3.928	0.85	64	53
1.83	2.330	0.266	0.084	2.335	1.41	86	73

Material Code	No of Core (Nos)	Conductor Cross Sectional Area (mm²)	Insulation thickness (mm)	Outer Sheath Thickness (Mm)	Approx Overall Dia (mm)	Approx Weight of Cable (Kg/Km)
BS-2XUA 4Cx16	4	16	0.70	1.80	19.4	881
BS-2XUA 4Cx25	4	25	0.90	1.80	23.4	1326
BS-2XUA 4Cx35	4	35	0.90	1.80	26.1	1769
BS-2XUA 4Cx50	4	50	1.00	1.80	29.9	2330
BS-2XUA 4Cx70	4	70	1.10	2.00	35.0	3286
BS-2XUA 4Cx95	4	95	1.10	2.10	39.6	4411
BS-2XUA 5Cx1.5	5	1.5	0.70	1.80	12.1	200
BS-2XUA 5Cx2.5	5	2.5	0.70	1.80	13.2	256
BS-2XUA 5Cx4.0	5	4	0.70	1.80	14.6	342
BS-2XUA 5Cx6.0	5	6	0.70	1.80	16.2	460
BS-2XUA 5Cx10	5	10	0.70	1.80	18.6	675
BS-2XUA 5Cx16	5	16	0.70	1.80	21.4	978
BS-2XUA 5Cx25	5	25	0.90	1.80	25.9	1474
BS-2XUA 5Cx35	5	35	0.90	1.80	29.0	1967
BS-2XUA 5Cx50	5	50	1.00	1.90	33.4	2606
BS-2XUA 6Cx1.5	6	1.5	0.70	1.80	13.0	228
BS-2XUA 7Cx1.5	7	1.5	0.70	1.80	13.0	244
BS-2XUA 8Cx1.5	8	1.5	0.70	1.80	14.4	278
BS-2XUA 10Cx1.5	10	1.5	0.70	1.80	16.1	333
BS-2XUA 12Cx1.5	12	1.5	0.70	1.80	16.6	391
BS-2XUA 14Cx1.5	14	1.5	0.70	1.80	17.4	428
BS-2XUA 15Cx1.5	15	1.5	0.70	1.80	18.3	456
BS-2XUA 16Cx1.5	16	1.5	0.70	1.80	18.3	476
BS-2XUA 18Cx1.5	18	1.5	0.70	1.80	19.2	527
BS-2XUA 19Cx1.5	19	1.5	0.70	1.80	19.2	543
BS-2XUA 20Cx1.5	20	1.5	0.70	1.80	20.2	572
BS-2XUA 22Cx1.5	22	1.5	0.70	1.80	21.3	632
BS-2XUA 24Cx1.5	24	1.5	0.70	1.80	22.3	672
BS-2XUA 25Cx1.5	25	1.5	0.70	1.80	22.3	693
BS-2XUA 26Cx1.5	26	1.5	0.70	1.80	22.3	714
BS-2XUA 30Cx1.5	30	1.5	0.70	1.80	23.6	806
BS-2XUA 32Cx1.5	32	1.5	0.70	1.80	24.4	854
BS-2XUA 35Cx1.5	35	1.5	0.70	1.80	25.4	925
BS-2XUA 36Cx1.5	36	1.5	0.70	1.80	25.4	939
BS-2XUA 40Cx1.5	40	1.5	0.70	1.80	26.4	1032
BS-2XUA 50Cx1.5	50	1.5	0.70	1.80	29.5	1254
BS-2XUA 61Cx1.5	61	1.5	0.70	1.90	31.8	1513
BS-2XUA 6Cx2.5	6	2.5	0.70	1.80	14.3	298
BS-2XUA 7Cx2.5	7	2.5	0.70	1.80	14.3	324
BS-2XUA 8Cx2.5	8	2.5	0.70	1.80	15.9	369
BS-2XUA 10Cx2.5	10	2.5	0.70	1.80	17.8	445
BS-2XUA 12Cx2.5	12	2.5	0.70	1.80	18.3	520
BS-2XUA 14Cx2.5	14	2.5	0.70	1.80	19.2	587
BS-2XUA 15Cx2.5	15	2.5	0.70	1.80	20.2	614
BS-2XUA 16Cx2.5	16	2.5	0.70	1.80	20.2	643
BS-2XUA 18Cx2.5	18	2.5	0.70	1.80	21.3	718
BS-2XUA 19Cx2.5	19	2.5	0.70	1.80	21.3	744
BS-2XUA 20Cx2.5	20	2.5	0.70	1.80	22.5	787
BS-2XUA 22Cx2.5	22	2.5	0.70	1.80	23.6	851
BS-2XUA 24Cx2.5	24	2.5	0.70	1.80	24.8	923
BS-2XUA 25Cx2.5	25	2.5	0.70	1.80	24.8	953
BS-2XUA 26Cx2.5	26	2.5	0.70	1.80	24.8	984
BS-2XUA 30Cx2.5	30	2.5	0.70	1.80	26.2	1111
BS-2XUA 32Cx2.5	32	2.5	0.70	1.80	27.3	1184
BS-2XUA 35Cx2.5	35	2.5	0.70	1.80	28.3	1278
BS-2XUA 36Cx2.5	36	2.5	0.70	1.80	28.3	1307
BS-2XUA 40Cx2.5	40	2.5	0.70	1.80	29.5	1438
BS-2XUA 50Cx2.5	50	2.5	0.70	1.90	33.3	1781
BS-2XUA 61Cx2.5	61	2.5	0.70	2.00	35.7	2143

Not Applicable for single core cable

DC Conductor Resistance at 20°C Max. (Ohm/Km)	Ac Cond. Res. At 90 Deg C Max (Ohm/Km)	Inductance At 50 60Hz (Milih/Km)	Inductive Reactance At 50-60 Hz (Ohm/Km)	Impedance At 50 -60 Hz & At 90 Deg. C (Ohm/Km)	Cond.Short Circuit Current Rating (Kamp/Sec)	*Current Carring Capacity At 20 °C In Ground Amp.	*Current Carring Capacity At 30 °C In Air Amp.
1.15	1.470	0.255	0.08	1.469	2.26	111	96
0.727	0.927	0.255	0.08	0.93	3.53	143	130
0.524	0.668	0.248	0.078	0.673	4.95	173	160
0.387	0.493	0.245	0.077	0.499	7.07	205	195
0.268	0.342	0.242	0.076	0.268	9.90	252	247
0.193	0.250	0.236	0.074	0.257	13.44	303	305
12.1	15.430	0.336	0.106	15.43	0.21	21	18
7.41	9.450	0.314	0.099	9.449	0.35	28	24
4.61	5.880	0.295	0.093	5.879	0.56	36	31
3.08	3.930	0.281	0.088	3.928	0.85	45	39
1.83	2.330	0.266	0.084	2.335	1.41	60	54
1.15	1.470	0.255	0.08	1.469	2.26	77	72
0.727	0.927	0.255	0.08	0.93	3.53	100	97
0.524	0.668	0.248	0.078	0.673	4.95	121	120
0.387	0.493	0.245	0.077	0.499	7.07	143	146
12.1	15.430	0.336	0.106	15.43	0.21	30	24
12.1	15.430	0.336	0.106	15.43	0.21	18	15
12.1	15.430	0.336	0.106	15.43	0.21	18	15
12.1	15.430	0.336	0.106	15.43	0.21	15	13
12.1	15.430	0.336	0.106	15.43	0.21	15	13
12.1	15.430	0.336	0.106	15.43	0.21	13	12
12.1	15.430	0.336	0.106	15.43	0.21	13	12
12.1	15.430	0.336	0.106	15.43	0.21	13	12
12.1	15.430	0.336	0.106	15.43	0.21	13	12
12.1	15.430	0.336	0.106	15.43	0.21	12	10
12.1	15.43	0.336	0.106	15.43	0.21	12	10
12.1	15.43	0.336	0.106	15.43	0.21	12	10
12.1	15.43	0.336	0.106	15.43	0.21	10	9
12.1	15.43	0.336	0.106	15.43	0.21	10	9
12.1	15.43	0.336	0.106	15.43	0.21	10	9
12.1	15.43	0.336	0.106	15.43	0.21	10	9
12.1	15.43	0.336	0.106	15.43	0.21	10	9
12.1	15.43	0.336	0.106	15.43	0.21	9	8
12.1	15.43	0.336	0.106	15.43	0.21	9	8
12.1	15.43	0.336	0.106	15.43	0.21	7	7
7.41	9.45	0.314	0.099	9.449	0.35	28	24
7.41	9.45	0.314	0.099	9.449	0.35	24	21
7.41	9.45	0.314	0.099	9.449	0.35	24	21
7.41	9.45	0.314	0.099	9.449	0.35	20	17
7.41	9.45	0.314	0.099	9.449	0.35	20	17
7.41	9.45	0.314	0.099	9.449	0.35	18	16
7.41	9.45	0.314	0.099	9.449	0.35	18	16
7.41	9.45	0.314	0.099	9.449	0.35	18	16
7.41	9.45	0.314	0.099	9.449	0.35	16	14
7.41	9.45	0.314	0.099	9.449	0.35	16	14
7.41	9.45	0.314	0.099	9.449	0.35	16	14
7.41	9.45	0.314	0.099	9.449	0.35	14	12
7.41	9.45	0.314	0.099	9.449	0.35	14	12
7.41	9.45	0.314	0.099	9.449	0.35	14	12
7.41	9.45	0.314	0.099	9.449	0.35	14	12
7.41	9.45	0.314	0.099	9.449	0.35	14	12
7.41	9.45	0.314	0.099	9.449	0.35	12	11
7.41	9.45	0.314	0.099	9.449	0.35	12	11
7.41	9.45	0.314	0.099	9.449	0.35	10	9

Note: Other Special Sheath Materials are also available with IEC 60332-3 CAT C, UV /Sunlight resistance/ Oil Resistance.

POWER & MULTICORE, ARMOURED CABLE

CU/XLPE/PVC/SWA/PVC

SPECIFICATION: BS 5467



Construction Conductor

Circular Stranded Compact Annealed Plain Copper to Class 2 of IEC 60228.

Insulation

Cross linked Polyethylene (XLPE) Type GP8 as per BS 7655 1.2

Colour Code

Two Core - Brown & blue

Three Core - Brown, Black & Grey

Four Core - Blue, Brown, Black & Grey

Five Core - Green-Yellow, Blue, Brown, Black & Grey

Technical Data

Temperature Range: -5°C to 90°C

Voltage Range : 600/1000 V

Voltage Withstand(V/Minute): 3500 RMS/5

Min. Bending Raduis (mm): 8 x Cable Overall Diameter

Max Short Circuit Tem OC: 250 (for 5 second Maximum)

Wire Armour

A single layer of galvanized steel wire armor applied over the inner sheath.

Over Sheath

Flame Retardant PVC Type 9 to BS 7655 4.2 and confirming to IEC60332-1.

The color of the sheath shall be Black.

Other sheath colors are also available on request.

Cabling/Laying up

Cores are assembled in a concentric layer with filler (if necessary) for up to 4 Cores. Assembly with 5 cores or more is wrapped with a polyester tape with filler (if necessary).

Inner Sheath/Beeding

GREATWHITE ELECTRIC CABLE NO. OF CORES X SIZE
600/1000V BS 5467 METER MARKING

Embossing on Outer Sheath

GREATWHITE ELECTRIC CABLE NO. OF CORES X SIZE
600/1000V BS 5467 METER MARKING



Application

Can be used indoors or outdoors in the cable duct, cable trays, conduits or underground location. Under mechanical stresses in the power and switching station, local distribution system, industrial plant and commercial building.

Material Code	No of Core (Nos)	Conductor Cross Sectional Area (mm²)	Insulation thickness (mm)	INNER SHEATH THICKNESS (mm)	DIA. OVER INNER SHEATH (mm)	ARMOR WIRE DIA (mm)	DIA. OVER ARMOR (mm)	Outer Sheath Thickness (mm)
BS-2XWY 2Cx1.5	2	1.5	0.60	0.80	7.60	0.90	9.40	1.30
BS-2XWY 2Cx2.5	2	2.5	0.70	0.80	8.90	0.90	10.70	1.40
BS-2XWY 2Cx4.0	2	4	0.70	0.80	9.90	0.90	11.70	1.40
BS-2XWY 2Cx6.0	2	6	0.70	0.80	11.10	0.90	12.90	1.40
BS-2XWY 2Cx10	2	10	0.70	0.80	13.20	0.90	15.00	1.50
BS-2XWY 3Cx1.5	3	1.5	0.60	0.80	8.10	0.90	9.90	1.30
BS-2XWY 3Cx2.5	3	2.5	0.70	0.80	9.30	0.90	11.10	1.40
BS-2XWY 3Cx4.0	3	4	0.70	0.80	10.60	0.90	12.40	1.40
BS-2XWY 3Cx6.0	3	6	0.70	0.80	11.80	0.90	13.60	1.40
BS-2XWY 3Cx10	3	10	0.70	0.80	13.80	1.25	16.30	1.50
BS-2XWY 4Cx1.5	4	1.5	0.60	0.80	8.70	0.90	10.50	1.30
BS-2XWY 4Cx2.5	4	2.5	0.70	0.80	10.20	0.90	12.00	1.40
BS-2XWY 4Cx4.0	4	4	0.70	0.80	11.40	0.90	13.20	1.40
BS-2XWY 4Cx6.0	4	6	0.70	0.80	12.90	1.25	15.40	1.50
BS-2XWY 4Cx10	4	10	0.70	0.80	15.00	1.25	17.50	1.50
BS-2XWY 5Cx1.5	5	1.5	0.60	0.80	9.20	0.90	11.10	1.40
BS-2XWY 5Cx2.5	5	2.5	0.70	0.80	10.90	0.90	12.70	1.40
BS-2XWY 5Cx4.0	5	4	0.70	0.80	12.30	0.90	14.10	1.50
BS-2XWY 5Cx6.0	5	6	0.70	0.80	13.90	1.25	16.40	1.50
BS-2XWY 5Cx10	5	10	0.70	0.80	16.40	1.25	18.90	1.60
BS-2XWY 5Cx16	5	16	0.70	1.00	19.50	1.60	22.70	1.70
BS-2XWY 5Cx25	5	25	0.90	1.00	23.90	1.60	27.10	1.80
BS-2XWY 5Cx35	5	35	0.90	1.00	27.10	1.60	30.20	1.90
BS-2XWY 5Cx50	5	50	1.00	1.20	31.60	2.00	35.60	2.00

Approx Overall Dia (mm)"	Approx Weight of Cable (Kg/Km)	DC Conductor Resistance at 20° C Max. (Ohm/Km)	AC Cond. Res. At 90 Deg C Max (Ohm/Km)	Inductance At 50-60Hz (MiliH/Km)	Inductive Reactance At 50-60Hz (Ohm/Km)	Impedance At 50-60Hz & At 90 Deg. C (Ohm/Km)	Cond. Short Circuit Current Rating (Kamp/ Sec)	*Current Carrying Capacity At 20° C In Ground Amp.	*Current Carrying Capacity At 30° C In Air Amp.
12.40	291	12.1	15.43	0.336	0.106	15.430	0.210	37	26
13.80	363	7.41	9.45	0.314	0.099	9.449	0.350	49	35
14.80	428	4.61	5.88	0.295	0.093	5.879	0.560	67	46
16.00	517	3.08	3.93	0.281	0.088	3.928	0.850	78	59
18.30	692	1.83	2.33	0.266	0.084	2.335	1.410	103	80
12.80	321	12.1	15.43	0.336	0.106	15.430	0.210	30	24
14.00	392	7.41	9.45	0.314	0.099	9.449	0.350	40	32
15.60	471	4.61	5.88	0.295	0.093	5.879	0.560	52	42
16.80	569	3.08	3.93	0.281	0.088	3.928	0.850	64	53
19.70	855	1.83	2.33	0.266	0.084	2.335	1.410	86	73
13.10	357	12.1	15.43	0.336	0.106	15.430	0.210	30	24
14.80	453	7.41	9.45	0.314	0.099	9.449	0.350	40	32
16.10	557	4.61	5.88	0.295	0.093	5.879	0.560	52	42
18.40	787	3.08	3.93	0.281	0.088	3.928	0.850	64	53
20.60	1039	1.83	2.33	0.266	0.084	2.335	1.410	86	73
13.50	363	12.1	15.43	0.336	0.106	15.430	0.210	21	18
15.20	448	7.41	9.45	0.314	0.099	9.449	0.350	28	24
16.80	568	4.61	5.88	0.295	0.093	5.879	0.560	36	31
19.10	799	3.08	3.93	0.281	0.088	3.928	0.850	44	39
21.70	1082	1.83	2.33	0.266	0.084	2.335	1.410	60	54
25.50	1596	1.15	1.47	0.255	0.080	1.469	2.260	77	72
30.20	2230	0.727	0.93	0.255	0.080	0.930	3.530	100	97
33.50	2835	0.524	0.67	0.248	0.078	0.673	4.950	121	120
39.00	3877	0.387	0.49	0.245	0.077	0.499	7.070	143	146



Application

"Can be used indoors or outdoors in the cable duct, cable trays, conduits or underground location "under mechanical stresses in the power and switching station, local distribution system, industrial plant and commercial building.

CONTROL, MULTICORE, ARMORED CABLE

CU/XLPE/PVC/SWA/PVC

SPECIFICATION: BS 5467



Construction Conductor

Stranded Annealed Plain Circular Copper to Class 2 of IEC 60228.

Insulation

Cross linked Polyethylene (XLPE) Type GP8 as per BS 7655 1.2

Printing Text

GreatWhite CU/PVC "Size" "Voltage Grade" "Rated Temperature" "Year" Country of Origin

Cabling/Laying up

Cores are assembled in a concentric layer with suitable filler & wrapped with a polyester tape.

Inner Sheath/Beeding

Flame Retardant PVC in Black Color compatible to operating temperature of conductor.

Wire Armour

A single layer of galvanized steel wire armour applied over the inner sheath

Over Sheath

Flame Retardant PVC Type 9 to BS 7655 4.2 and confirming to IEC60332-1.
The color of the sheath shall be Black. Other sheath colors are also available on request.

Embossing on Outer Sheath

GREATWHITE ELECTRIC CABLE NO. OF CORES X SIZE 600/1000V
BS 5467 METER MARKING

Colour code

Black cores with number printing on each core

Technical Data

Temperature Range: -5°C to 90°C
Voltage Range: 600/1000 v
Voltage Withstand: 3500 RMS/5(V/Minute)Min. Bending
Raduis (mm): 6 x Cable Over all Diameter
Max Short Circuit Temp °C: 250 (for 5 second Maximum)



Material Code	No of Core (Nos)	Conductor Cross Sectional Area (mm²)	Insulation thickness (mm)	INNER SHEATH THICKNESS (mm)	DIA. OVER INNER SHEATH (mm)	ARMOR WIRE DIA (mm)	DIA. OVER ARMOR (mm)	Outer Sheath Thickness (mm)
BS-2XWY 7Cx1.5	7	1.5	0.60	0.80	10.50	0.90	12.30	1.40
BS-2XWY 12Cx1.5	12	1.5	0.60	0.80	13.90	1.25	16.40	1.50
BS-2XWY 19Cx1.5	19	1.5	0.60	0.80	16.30	1.25	18.80	1.60
BS-2XWY 27Cx1.5	27	1.5	0.60	1.00	20.00	1.60	23.20	1.70
BS-2XWY 37Cx1.5	37	1.5	0.60	1.00	22.50	1.60	25.70	1.70
BS-2XWY 48Cx1.5	48	1.5	0.60	1.00	25.80	1.60	29.00	1.80
BS-2XWY 7Cx2.5	7	2.5	0.70	0.80	12.50	0.90	14.30	1.40
BS-2XWY 12Cx2.5	12	2.5	0.70	0.80	16.60	1.25	19.10	1.60
BS-2XWY 19Cx2.5	19	2.5	0.70	1.00	20.00	1.60	23.20	1.70
BS-2XWY 27Cx2.5	27	2.5	0.70	1.00	24.00	1.60	27.20	1.80
BS-2XWY 37Cx2.5	37	2.5	0.70	1.00	27.00	1.60	30.20	1.80
BS-2XWY 48Cx2.5	48	2.5	0.70	1.20	31.40	2.00	35.40	2.00
BS-2XWY 7Cx4.0	7	4.0	0.70	0.80	14.20	1.25	16.70	1.50
BS-2XWY 12Cx4.0	12	4.0	0.70	1.00	19.30	1.60	22.50	1.60
BS-2XWY 19Cx4.0	19	4.0	0.70	1.00	22.70	1.60	25.90	1.70
BS-2XWY 27Cx4.0	27	4.0	0.70	1.00	27.40	1.60	30.60	1.90
BS-2XWY 37Cx4.0	37	4.0	0.70	1.20	31.20	2.00	35.20	2.00
BS-2XWY 48Cx4.0	48	4.0	0.70	1.20	35.90	2.00	39.90	2.10

Approx Overall Dia (mm)	Approx Weight of Cable (Kg/Km)	DC Conductor Resistance at 20°C Max. (Ohm/Km)	AC Cond. Res. At 90 Deg C Max (Ohm/Km)	Inductance At 50-60Hz (Milih/Km)	Inductive Reactance At 50-60Hz (Ohm/Km)	Impedance At 50-60Hz & At 90 Deg. C (Ohm/Km)	Cond. Short Circuit Current Rating (Kamp/ Sec)	*Current Carrying Capacity At 20° C In Ground Amp.	*Current Carrying Capacity At 30° C In Air Amp.
15.20	449	12.1	15.43	0.336	0.106	15.430	0.210	18	15
19.40	740	12.1	15.43	0.336	0.106	15.430	0.210	15	12
22.00	970	12.1	15.43	0.336	0.106	15.430	0.210	12	10
26.70	1416	12.1	15.43	0.336	0.106	15.430	0.210	9	8
29.10	1715	12.1	15.43	0.336	0.106	15.430	0.210	9	8
32.60	2060	12.1	15.43	0.336	0.106	15.430	0.210	7	7
17.70	621	7.41	9.45	0.314	0.099	9.449	0.350	24	20
22.90	1041	7.41	9.45	0.314	0.099	9.449	0.350	20	17
27.20	1572	7.41	9.45	0.314	0.099	9.449	0.350	16	14
31.50	2002	7.41	9.45	0.314	0.099	9.449	0.350	14	12
34.50	2429	7.41	9.45	0.314	0.099	9.449	0.350	14	12
40.20	3309	7.41	9.45	0.314	0.099	9.449	0.350	10	9
20.30	880	4.61	5.88	0.295	0.093	5.879	0.560	31	27
26.30	1465	4.61	5.88	0.295	0.093	5.879	0.560	26	28
29.90	1945	4.61	5.88	0.295	0.093	5.879	0.560	20	18
35.10	2535	4.61	5.88	0.295	0.093	5.879	0.560	18	16
40.00	3480	4.61	5.88	0.295	0.093	5.879	0.560	18	16
44.90	4245	4.61	5.88	0.295	0.093	5.879	0.560	13	12



Application

Can be used indoors or outdoors in the cable duct, cable trays, conduits or underground in the power and switching station, local distributors system industrial plant and commercial building

POWER AND CONTROL,
MULTICORE, ARMoured CABLE
CU/XLPE/PVC

SPECIFICATION: IEC 60502-1



Construction Conductor

Stranded annealed plain circular copper to class 2 of IEC 60228

Insulation

Cross Linked Polyethylene (XLPE) to IEC 60502-1

Colour Code

Two Core - Red & Black
Three Core - Red, Yellow & Blue
Four Core - Red, Yellow, Blue & Black for cable
Five & above Core - Black cores with Number printing

Wire Armour

A single layer of galvanized steel wire armor to BS EN 10257-1 is applied over the Inner sheath.

Over Sheath

Flame Retardant PVC Type 9 to BS 7655 4.2 and confirming to IEC60332-1. The color of the sheath shall be Black. Other sheath colors are also available on request.

Marking on the sheath

GreatWhite CU/XLPE/SWA/PVC No of core C x Size Sqmm 600/1000V IEC 60502-1 meter marking.

Cabling

Cores are assembled in a concentric layer with filler (if necessary) for up to 4 Cores. Assembly with 5 cores or more is wrapped with a polyester tape with filler (if necessary).

Inner Sheath

Flame Retardant PVC Compatible to Conductor Operating Temperature In Black Color.

Technical Data

Temperature Range: -5°C to 90°C

Voltage Rating: 600/1000 V

Voltage Withstand (V/Minute): 3500 RMS/5 or 8400 DC/5

Min. Bending Raduis (mm): 21 x Cable Overall Diameter

Max Short Circuit Temp °C: 250 (for 5 second Maximum)

HSN Code: 85446090



Material Code	No of Core (Nos)	Conductor Cross Sectional Area (mm²)	Insulation thickness (mm)	INNER SHEATH THICKNESS (mm)	DIA. OVER INNER SHEATH (mm)	ARMOR WIRE DIA. (mm)	DIA. OVER ARMOR (mm)	Outer Sheath Thickness (Mm)
IEC-2XWY 2Cx1.5	2	1.5	0.70	1.00	8.4	0.90	10.2	1.8
IEC-2XWY 2Cx2.5	2	2.5	0.70	1.00	9.2	0.90	11	1.8
IEC-2XWY 2Cx4.0	2	4	0.70	1.00	10.2	0.90	12	1.8
IEC-2XWY 2Cx6.0	2	6	0.70	1.00	11.4	0.90	13.2	1.8
IEC-2XWY 2Cx10	2	10	0.70	1.00	13.2	1.25	15.7	1.8
IEC-2XWY 2Cx16	2	16	0.70	1.00	15.3	1.25	17.8	1.8
IEC-2XWY 2Cx25	2	25	0.90	1.00	18.6	1.60	21.8	1.8
IEC-2XWY 2Cx35	2	35	0.90	1.00	20.9	1.60	24.1	1.8
IEC-2XWY 2Cx50	2	50	1.00	1.00	24.0	1.60	27.2	1.8
IEC-2XWY 2Cx70	2	70	1.10	1.00	27.9	1.60	31.1	2
IEC-2XWY 2Cx95	2	95	1.10	1.20	32.0	2.00	36	2.1
IEC-2XWY 3Cx1.5	3	1.5	0.70	1.00	8.9	0.90	10.7	1.8
IEC-2XWY 3Cx2.5	3	2.5	0.70	1.00	9.8	0.90	11.6	1.8
IEC-2XWY 3Cx4.0	3	4	0.70	1.00	10.9	0.90	12.7	1.8
IEC-2XWY 3Cx6.0	3	6	0.70	1.00	12.2	0.90	14	1.8
IEC-2XWY 3Cx10	3	10	0.70	1.00	14.1	1.25	16.6	1.8
IEC-2XWY 3Cx16	3	16	0.70	1.00	16.3	1.25	18.8	1.8
IEC-2XWY 3Cx25	3	25	0.90	1.00	19.9	1.60	23.1	1.8
IEC-2XWY 3Cx35	3	35	0.90	1.00	22.4	1.60	25.6	1.8
IEC-2XWY 3Cx50	3	50	1.00	1.00	25.7	1.60	28.9	1.9

Approx Overall Dia(mm)	Approx Weight of Cable (Kg/Km)	DC Conductor Resistance at 20°C Max. (Ohm/Km)	AC Cond. Res. At 90 Deg C Max (Ohm/Km)	Inductance At 50-60Hz (Milih/Km)	Inductive Reactance At 50-60Hz (Ohm/Km)	Impedance At 50-60Hz & At 90 Deg. C (Ohm/Km)	Cond.Short CircuitCurrent Rating (Kamp/Sec)	*Current Carring Capacity At 20° C In Ground Amp.	*CurrentCarring CapacityAt 30° C In Air Amp.
13.8	353	12.1	15.43	0.336	0.106	15.43	0.21	37	26
14.6	400	7.41	9.45	0.314	0.099	9.449	0.35	49	35
15.6	467	4.61	5.88	0.295	0.093	5.879	0.56	67	46
16.8	559	3.08	3.93	0.281	0.088	3.928	0.85	78	59
19.3	808	1.83	2.33	0.266	0.084	2.335	1.41	103	80
21.4	1020	1.15	1.47	0.255	0.08	1.469	2.26	131	107
25.4	1518	0.727	0.927	0.255	0.08	0.93	3.53	168	145
27.7	1850	0.524	0.668	0.248	0.078	0.673	4.95	199	177
30.8	2284	0.387	0.493	0.245	0.077	0.499	7.07	238	216
35.1	2991	0.268	0.342	0.242	0.076	0.268	9.9	292	274
40.2	4071	0.193	0.25	0.236	0.074	0.257	13.44	349	339
14.3	382	12.1	15.43	0.336	0.106	15.43	0.21	30	24
15.2	444	7.41	9.45	0.314	0.099	9.449	0.35	40	32
16.3	526	4.61	5.88	0.295	0.093	5.879	0.56	52	42
17.6	638	3.08	3.93	0.281	0.088	3.928	0.85	64	53
20.2	932	1.83	2.33	0.266	0.084	2.335	1.41	86	73
22.4	1203	1.15	1.47	0.255	0.08	1.469	2.26	111	96
26.7	1788	0.727	0.927	0.255	0.08	0.93	3.53	143	130
29.2	2209	0.524	0.668	0.248	0.078	0.673	4.95	173	160
32.7	2778	0.387	0.493	0.245	0.077	0.499	7.07	205	195

Material Code	No of Core (Nos)	Conductor Cross Sectional Area (mm)	Insulation thickness (mm)	INNER SHEATH THICKNESS (mm)	DIA. OVER INNER SHEATH (mm)	ARMOR WIRE DIA. (mm)	DIA. OVER ARMOR (mm)	Outer Sheath Thickness (Mm)
IEC-2XWY 3Cx70	3	70	1.10	1.20	30.4	2.00	34.4	2
IEC-2XWY 3Cx95	3	95	1.10	1.20	34.4	2.00	38.4	2.2
IEC-2XWY 4Cx1.5	4	1.5	0.70	1.00	9.7	0.90	11.5	1.8
IEC-2XWY 4Cx2.5	4	2.5	0.70	1.00	10.7	0.90	12.5	1.8
IEC-2XWY 4Cx4.0	4	4	0.70	1.00	11.9	0.90	13.7	1.8
IEC-2XWY 4Cx6.0	4	6	0.70	1.00	13.3	1.25	15.8	1.8
IEC-2XWY 4Cx10	4	10	0.70	1.00	15.5	1.25	18	1.8
IEC-2XWY 4Cx16	4	16	0.70	1.00	18.0	1.60	21.2	1.8
IEC-2XWY 4Cx25	4	25	0.90	1.00	22.0	1.60	25.2	1.8
IEC-2XWY 4Cx35	4	35	0.90	1.00	24.7	1.60	27.9	1.9
IEC-2XWY 4Cx50	4	50	1.00	1.00	28.5	1.60	31.7	2
IEC-2XWY 4Cx70	4	70	1.10	1.20	33.6	2.00	37.6	2.1
IEC-2XWY 4Cx95	4	95	1.10	1.20	38.0	2.00	42	2.3
IEC-2XWY 5Cx1.5	5	1.5	0.70	1.00	10.7	0.90	12.5	1.8
IEC-2XWY 5Cx2.5	5	2.5	0.70	1.00	11.8	0.90	13.6	1.8
IEC-2XWY 5Cx4.0	5	4	0.70	1.00	13.2	1.25	15.7	1.8
IEC-2XWY 5Cx6.0	5	6	0.70	1.00	14.8	1.25	17.3	1.8
IEC-2XWY 5Cx10	5	10	0.70	1.00	17.2	1.25	19.7	1.8
IEC-2XWY 5Cx16	5	16	0.70	1.00	20.0	1.60	23.2	1.8
IEC-2XWY 5Cx25	5	25	0.90	1.00	24.5	1.60	27.7	1.8
IEC-2XWY 5Cx35	5	35	0.90	1.00	27.6	1.60	30.8	1.9
IEC-2XWY 5Cx50	5	50	1.00	1.20	32.2	2.00	36.2	2.1
IEC-2XWY 6Cx1.5	6	1.5	0.70	1.00	11.6	0.90	13.4	1.8
IEC-2XWY 7Cx1.5	7	1.5	0.70	1.00	11.6	0.90	13.4	1.8
IEC-2XWY 8Cx1.5	8	1.5	0.70	1.00	13.0	1.25	15.5	1.8
IEC-2XWY 10Cx1.5	10	1.5	0.70	1.00	14.7	1.25	17.2	1.8
IEC-2XWY 12Cx1.5	12	1.5	0.70	1.00	15.2	1.25	17.7	1.8
IEC-2XWY 14Cx1.5	14	1.5	0.70	1.00	16.0	1.25	18.5	1.8
IEC-2XWY 15Cx1.5	15	1.5	0.70	1.0	16.9	1.25	19.4	1.80
IEC-2XWY 16Cx1.5	16	1.5	0.70	1.0	16.9	1.25	19.4	1.80
IEC-2XWY 18Cx1.5	18	1.5	0.70	1.0	17.8	1.25	20.3	1.80
IEC-2XWY 19Cx1.5	19	1.5	0.70	1.0	17.8	1.25	20.3	1.80
IEC-2XWY 20Cx1.5	20	1.5	0.70	1.0	18.8	1.60	22.0	1.80
IEC-2XWY 22Cx1.5	22	1.5	0.70	1.0	19.9	1.60	23.1	1.80

Approx Overall Dia(mm)	Approx Weight of Cable (Kg/Km)	DC Conductor Resistance at 20°C Max. (Ohm/Km)	AC Cond. Res. At 90 Deg C Max (Ohm/Km)	Inductance At 50-60Hz (Milih/Km)	Inductive Reactance At 50-60Hz (Ohm/Km)	Impedance At 50 -60Hz & At 90 Deg. C (Ohm/Km)	Cond.Short CircuitCurrent Rating (Kamp/Sec)	*Current Carring Capacity At 20° C In Ground Amp.	*CurrentCarring CapacityAt 30° C In Air Amp.
38.4	3958	0.268	0.342	0.242	0.076	0.268	9.9	252	247
42.8	5013	0.193	0.25	0.236	0.074	0.257	13.44	303	305
15.1	425	12.1	15.43	0.336	0.106	15.43	0.21	30	24
16.1	499	7.41	9.45	0.314	0.099	9.449	0.35	40	32
17.3	602	4.61	5.88	0.295	0.093	5.879	0.56	52	42
19.4	834	3.08	3.93	0.281	0.088	3.928	0.85	64	53
21.6	1091	1.83	2.33	0.266	0.084	2.335	1.41	86	73
24.8	1562	1.15	1.47	0.255	0.08	1.469	2.26	111	96
28.8	2144	0.727	0.927	0.255	0.08	0.93	3.53	143	130
31.7	2674	0.524	0.668	0.248	0.078	0.673	4.95	173	160
35.7	3399	0.387	0.493	0.245	0.077	0.499	7.07	205	195
41.8	4811	0.268	0.342	0.242	0.076	0.268	9.9	252	247
46.6	6171	0.193	0.25	0.236	0.074	0.257	13.44	303	305
16.1	464	12.1	15.43	0.336	0.106	15.43	0.21	21	18
17.2	546	7.41	9.45	0.314	0.099	9.449	0.35	28	24
19.3	760	4.61	5.88	0.295	0.093	5.879	0.56	36	31
20.9	916	3.08	3.93	0.281	0.088	3.928	0.85	45	39
23.3	1204	1.83	2.33	0.266	0.084	2.335	1.41	60	54
26.8	1719	1.15	1.47	0.255	0.08	1.469	2.26	77	72
31.3	2372	0.727	0.927	0.255	0.08	0.93	3.53	100	97
34.6	2997	0.524	0.668	0.248	0.078	0.673	4.95	121	120
40.4	4086	0.387	0.493	0.245	0.077	0.499	7.07	143	146
17	512	12.1	15.43	0.336	0.106	15.43	0.21	30	24
17	528	12.1	15.43	0.336	0.106	15.43	0.21	18	15
19.1	684	12.1	15.43	0.336	0.106	15.43	0.21	18	15
20.8	789	12.1	15.43	0.336	0.106	15.43	0.21	15	13
21.3	860	12.1	15.43	0.336	0.106	15.43	0.21	15	13
22.1	918	12.1	15.43	0.336	0.106	15.43	0.21	13	12
23.0	974	12.1	15.43	0.336	0.106	15.43	0.21	13	12
23.0	994	12.1	15.43	0.336	0.106	15.43	0.21	13	12
23.9	1070	12.1	15.43	0.336	0.106	15.43	0.21	13	12
23.9	1086	12.1	15.43	0.336	0.106	15.43	0.21	12	10
25.6	1274	12.1	15.43	0.336	0.106	15.43	0.21	12	10
26.7	1359	12.1	15.43	0.336	0.106	15.43	0.21	12	10

Material Code	No of Core (Nos)	Conductor Cross Sectional Area (mm)	Insulation thickness (mm)	INNER SHEATH THICKNESS (mm)	DIA. OVER INNER SHEATH (mm)	ARMOR WIRE DIA. (mm)	DIA. OVER ARMOR (mm)	Outer Sheath Thickness (Mm)
IEC-2XWY 24Cx1.5	24	1.5	0.70	1.0	20.9	1.60	24.1	1.80
IEC-2XWY 25Cx1.5	25	1.5	0.70	1.0	20.9	1.60	24.1	1.80
IEC-2XWY 26Cx1.5	26	1.5	0.70	1.0	20.9	1.60	24.1	1.80
IEC-2XWY 30Cx1.5	30	1.5	0.70	1.0	22.2	1.60	25.4	1.80
IEC-2XWY 32Cx1.5	32	1.5	0.70	1.0	23.0	1.60	26.2	1.80
IEC-2XWY 35Cx1.5	35	1.5	0.70	1.0	24.0	1.60	27.2	1.80
IEC-2XWY 36Cx1.5	36	1.5	0.70	1.0	24.0	1.60	27.2	1.80
IEC-2XWY 40Cx1.5	40	1.5	0.70	1.0	25.0	1.60	28.2	1.90
IEC-2XWY 50Cx1.5	50	1.5	0.70	1.0	28.1	1.60	31.3	2.00
IEC-2XWY 61Cx1.5	61	1.5	0.70	1.2	30.6	2.00	34.6	2.10
IEC-2XWY 6Cx2.5	6	2.5	0.70	1.0	12.9	1.25	15.4	1.80
IEC-2XWY 7Cx2.5	7	2.5	0.70	1.0	12.9	1.25	15.4	1.80
IEC-2XWY 8Cx2.5	8	2.5	0.70	1.0	14.5	1.25	17.0	1.80
IEC-2XWY 10Cx2.5	10	2.5	0.70	1.0	16.4	1.25	18.9	1.80
IEC-2XWY 12Cx2.5	12	2.5	0.70	1.0	16.9	1.25	19.4	1.80
IEC-2XWY 14Cx2.5	14	2.5	0.70	1.0	17.8	1.25	20.3	1.80
IEC-2XWY 15Cx2.5	15	2.5	0.70	1.0	18.8	1.60	22.0	1.80
IEC-2XWY 16Cx2.5	16	2.5	0.70	1.0	18.8	1.60	22.0	1.80
IEC-2XWY 18Cx2.5	18	2.5	0.70	1.0	19.9	1.60	23.1	1.80
IEC-2XWY 19Cx2.5	19	2.5	0.70	1.0	19.9	1.60	23.1	1.80
IEC-2XWY 20Cx2.5	20	2.5	0.70	1.0	21.1	1.60	24.3	1.80
IEC-2XWY 22Cx2.5	22	2.5	0.70	1.0	22.2	1.60	25.4	1.80
IEC-2XWY 24Cx2.5	24	2.5	0.70	1.0	23.4	1.60	26.6	1.80
IEC-2XWY 25Cx2.5	25	2.5	0.70	1.0	23.4	1.60	26.6	1.80
IEC-2XWY 26Cx2.5	26	2.5	0.70	1.0	23.4	1.60	26.6	1.80
IEC-2XWY 30Cx2.5	30	2.5	0.70	1.0	24.8	1.60	28.0	1.90
IEC-2XWY 32Cx2.5	32	2.5	0.70	1.0	25.9	1.60	29.1	1.90
IEC-2XWY 35Cx2.5	35	2.5	0.70	1.0	26.9	1.60	30.1	1.90
IEC-2XWY 36Cx2.5	36	2.5	0.70	1.0	26.9	1.60	30.1	1.90
IEC-2XWY 40Cx2.5	40	2.5	0.70	1.0	28.1	1.60	31.3	2.00
IEC-2XWY 50Cx2.5	50	2.5	0.70	1.2	32.1	2.00	36.1	2.10
IEC-2XWY 61Cx2.5	61	2.5	0.70	1.2	34.3	2.00	38.3	2.20

Not Applicable for single core cable

Approx Overall Dia(mm)	Approx Weight of Cable (Kg/Km)	DC Conductor Resistance at 20°C Max. (Ohm/Km)	AC Cond. Res. At 90 Deg C Max (Ohm/Km)	Inductance At 50-60Hz (Milih/Km)	Inductive Reactance At 50-60Hz (Ohm/Km)	Impedance At 50 -60Hz & At 90 Deg. C (Ohm/Km)	Cond.Short CircuitCurrent Rating (Kamp/Sec)	*Current Carring Capacity At 20° C In Ground Amp.	*CurrentCarring CapacityAt 30° C In Air Amp.
27.7	1451	12.1	15.43	0.336	0.106	15.43	0.21	10	9
27.7	1472	12.1	15.43	0.336	0.106	15.43	0.21	10	9
27.7	1493	12.1	15.43	0.336	0.106	15.43	0.21	10	9
29.0	1625	12.1	15.43	0.336	0.106	15.43	0.21	10	9
29.8	1696	12.1	15.43	0.336	0.106	15.43	0.21	10	9
30.8	1790	12.1	15.43	0.336	0.106	15.43	0.21	10	9
30.8	1818	12.1	15.43	0.336	0.106	15.43	0.21	10	9
32.0	1950	12.1	15.43	0.336	0.106	15.43	0.21	9	8
35.3	2306	12.1	15.43	0.336	0.106	15.43	0.21	9	8
38.8	2930	12.1	15.43	0.336	0.106	15.43	0.21	7	7
19.0	704	7.41	9.45	0.314	0.099	9.449	0.35	28	24
19.0	730	7.41	9.45	0.314	0.099	9.449	0.35	24	21
20.6	824	7.41	9.45	0.314	0.099	9.449	0.35	24	21
22.5	950	7.41	9.45	0.314	0.099	9.449	0.35	20	17
23.0	1037	7.41	9.45	0.314	0.099	9.449	0.35	20	17
23.9	1116	7.41	9.45	0.314	0.099	9.449	0.35	18	16
25.6	1315	7.41	9.45	0.314	0.099	9.449	0.35	18	16
25.6	1345	7.41	9.45	0.314	0.099	9.449	0.35	18	16
26.7	1459	7.41	9.45	0.314	0.099	9.449	0.35	18	16
26.7	1485	7.41	9.45	0.314	0.099	9.449	0.35	16	14
27.9	1567	7.41	9.45	0.314	0.099	9.449	0.35	16	14
29.0	1664	7.41	9.45	0.314	0.099	9.449	0.35	16	14
30.2	1781	7.41	9.45	0.314	0.099	9.449	0.35	14	12
30.2	1812	7.41	9.45	0.314	0.099	9.449	0.35	14	12
30.2	1842	7.41	9.45	0.314	0.099	9.449	0.35	14	12
31.8	2042	7.41	9.45	0.314	0.099	9.449	0.35	14	12
32.9	2146	7.41	9.45	0.314	0.099	9.449	0.35	14	12
33.9	2262	7.41	9.45	0.314	0.099	9.449	0.35	14	12
33.9	2299	7.41	9.45	0.314	0.099	9.449	0.35	14	12
35.3	2479	7.41	9.45	0.314	0.099	9.449	0.35	12	11
40.3	3252	7.41	9.45	0.314	0.099	9.449	0.35	12	11
42.7	3718	7.41	9.45	0.314	0.099	9.449	0.35	10	9

Note: Other Special Sheath Materials are also available with IEC 60332-3 CAT C, UV /Sunlight resistance/ Oil Resistance.

POWER, MULTICORE, ARMoured CABLE

CU/XLPE/PVC/SWA/ PVC

SPECIFICATION: BS 5467

Construction Conductor

Stranded Annealed Plain Circular Copper to Class 2 of IEC 60228.

Insulation

Cross linked Polyethylene (XLPE) Type GP8 as per BS 7655 1.2

Printing Text

GreatWhite CU/PVC "Size" "Voltage Grade" "Rated Temperature" "Year" & "Country of Origin"

Cabling/Laying up

Cores are assembled in a concentric layer with filler (if necessary) for up to 4 Cores.
Assembly with 5 cores or more is wrapped with a polyester tape with filler (if necessary).

Inner Sheath/Beeding

Flame Retardant PVC in Black Color compatible to operating temperature of conductor.

Wire Armour

A single layer of galvanized steel wire armor applied over the inner sheath

Over Sheath

Flame Retardant PVC Type 9 to BS 7655 4.2 and confirming to IEC60332-1. The color of the sheath shall be Black. Other sheath colors are also available on request.

Embossing on Outer Sheath

Greatwhite electric cable no. of cores x size 600/1000v
bs 5467 meter marking

Colour code

Two Core - Brown & blue
Three Core - Brown, Black & Grey
Four Core - Blue, Brown, Black & Grey
Five Core - Green-Yellow, Bue, Brown, Black & Grey

Technical Data

Temperature Range: -5°C to 90°C
Voltage Range: 600/1000
Voltage Withstand (V/Minute): 3500 RMS/5
Min. Bending Raduis (mm): 8 x Cable Overall Diameter
Max Short Circuit Temp OC: 250 (for 5 second Maximum)



Application

"Can be used indoors or outdoors in the cable duct, cable trays, conduits or underground location "under mechanical stresses in the power and switching station, local distribution system, industrial plant and commercial building.

Material Code	No of Core (Nos)	Conductor Cross Sectional Area (mm²)	Insulation thickness (mm)	INNER SHEATH THICKNESS (mm)	DIA. OVER INNER SHEATH (mm)	ARMOR WIRE DIA (mm)	DIA. OVER ARMOR (mm)	Outer Sheath Thickness (mm)
BS-2XWY 2Cx1.5	2	1.5	0.60	0.80	7.60	0.90	9.40	1.30
BS-2XWY 2Cx2.5	2	2.5	0.70	0.80	8.90	0.90	10.70	1.40
BS-2XWY 2Cx4.0	2	4	0.70	0.80	9.90	0.90	11.70	1.40
BS-2XWY 2Cx6.0	2	6	0.70	0.80	11.10	0.90	12.90	1.40
BS-2XWY 2Cx10	2	10	0.70	0.80	13.20	0.90	15.00	1.50
BS-2XWY 3Cx1.5	3	1.5	0.60	0.80	8.10	0.90	9.90	1.30
BS-2XWY 3Cx2.5	3	2.5	0.70	0.80	9.30	0.90	11.10	1.40
BS-2XWY 3Cx4.0	3	4	0.70	0.80	10.60	0.90	12.40	1.40
BS-2XWY 3Cx6.0	3	6	0.70	0.80	11.80	0.90	13.60	1.40
BS-2XWY 3Cx10	3	10	0.70	0.80	13.80	1.25	16.30	1.50
BS-2XWY 4Cx1.5	4	1.5	0.60	0.80	8.70	0.90	10.50	1.30
BS-2XWY 4Cx2.5	4	2.5	0.70	0.80	10.20	0.90	12.00	1.40
BS-2XWY 4Cx4.0	4	4	0.70	0.80	11.40	0.90	13.20	1.40
BS-2XWY 4Cx6.0	4	6	0.70	0.80	12.90	1.25	15.40	1.50
BS-2XWY 4Cx10	4	10	0.70	0.80	15.00	1.25	17.50	1.50
BS-2XWY 5Cx1.5	5	1.5	0.60	0.80	9.20	0.90	11.10	1.40
BS-2XWY 5Cx2.5	5	2.5	0.70	0.80	10.90	0.90	12.70	1.40
BS-2XWY 5Cx4.0	5	4	0.70	0.80	12.30	0.90	14.10	1.50
BS-2XWY 5Cx6.0	5	6	0.70	0.80	13.90	1.25	16.40	1.50
BS-2XWY 5Cx10	5	10	0.70	0.80	16.40	1.25	18.90	1.60
BS-2XWY 5Cx16	5	16	0.70	1.00	19.50	1.60	22.70	1.70
BS-2XWY 5Cx25	5	25	0.90	1.00	23.90	1.60	27.10	1.80
BS-2XWY 5Cx35	5	35	0.90	1.00	27.10	1.60	30.20	1.90
BS-2XWY 5Cx50	5	50	1.00	1.20	31.60	2.00	35.60	2.00

Approx Overall Dia (mm)	Approx Weight of Cable (Kg/Km)	DC Conductor Resistance at 20° C Max. (Ohm/Km)	AC Cond. Res. At 90 Deg C Max (Ohm/Km)	Inductance At 50-60Hz (MiliH/Km)	Inductive Reactance At 50-60Hz (Ohm/Km)	Impedance At 50-60Hz & At 90 Deg. C (Ohm/Km)	Cond. Short Circuit Current Rating (Kamp/ Sec)	*Current Carrying Capacity At 20° C In Ground Amp.	*Current Carrying Capacity At 30° C In Air Amp.
12.40	291	12.1	15.43	0.336	0.106	15.430	0.210	37	26
13.80	363	7.41	9.45	0.314	0.099	9.449	0.350	49	35
14.80	428	4.61	5.88	0.295	0.093	5.879	0.560	67	46
16.00	517	3.08	3.93	0.281	0.088	3.928	0.850	78	59
18.30	692	1.83	2.33	0.266	0.084	2.335	1.410	103	80
12.80	321	12.1	15.43	0.336	0.106	15.430	0.210	30	24
14.00	392	7.41	9.45	0.314	0.099	9.449	0.350	40	32
15.60	471	4.61	5.88	0.295	0.093	5.879	0.560	52	42
16.80	569	3.08	3.93	0.281	0.088	3.928	0.850	64	53
19.70	855	1.83	2.33	0.266	0.084	2.335	1.410	86	73
13.10	357	12.1	15.43	0.336	0.106	15.430	0.210	30	24
14.80	453	7.41	9.45	0.314	0.099	9.449	0.350	40	32
16.10	557	4.61	5.88	0.295	0.093	5.879	0.560	52	42
18.40	787	3.08	3.93	0.281	0.088	3.928	0.850	64	53
20.60	1039	1.83	2.33	0.266	0.084	2.335	1.410	86	73
13.50	363	12.1	15.43	0.336	0.106	15.430	0.210	21	18
15.20	448	7.41	9.45	0.314	0.099	9.449	0.350	28	24
16.80	568	4.61	5.88	0.295	0.093	5.879	0.560	36	31
19.10	799	3.08	3.93	0.281	0.088	3.928	0.850	44	39
21.70	1082	1.83	2.33	0.266	0.084	2.335	1.410	60	54
25.50	1596	1.15	1.47	0.255	0.080	1.469	2.260	77	72
30.20	2230	0.727	0.93	0.255	0.080	0.930	3.530	100	97
33.50	2835	0.524	0.67	0.248	0.078	0.673	4.950	121	120
39.00	3877	0.387	0.49	0.245	0.077	0.499	7.070	143	146

UTP CAT 6 TECHNICAL DATA FOR NON-PLENUM LAN CABLE - CATEGORY-6

Material Code :- CAT6-100
Material Code: CAT6-100

Reference specification : TIA/EIA-568-B.2-1 & UL444
Type Designation: UTP CAT 6- Unshielded Twisted Pairs, NEC TYPE CM
Construction: 4 Pair 23 AWG Solid Copper, polythylene insulated, twisted
pairs assembled with a center separator and Grey PVC jacketed.



Application

These cables are intended to be used for low loss extended
frequency data systems that operate up to 250 MHz.

SI No.	Technical Parameter			Unit	Requirement	
1	Characteristic Impedance(Up to 100 MHz)			Ohm	100+/-15	(Nom)
2	Attenuation (ATT)			db/100m		
a)	At frequency of	1.00	MHz		2.10	(Max)
b)	At frequency of	4.00	MHz		4.00	(Max)
c)	At frequency of	8.00	MHz		5.70	(Max)
d)	At frequency of	10.00	MHz		6.30	(Max)
e)	At frequency of	16.00	MHz		8.00	(Max)
f)	At frequency of	20.00	MHz		9.00	(Max)
g)	At frequency of	25.00	MHz		10.10	(Max)
h)	At frequency of	31.25	MHz		11.40	(Max)
i)	At frequency of	62.50	MHz		16.50	(Max)
j)	At frequency of	100.00	MHz		21.30	(Max)
k)	At frequency of	200.00	MHz		31.50	(Max)
l)	At frequency of	250.00	MHz		35.90	(Max)
3	Return Loss (RL)			(dB)		
a)	At frequency of	1.00	MHz		20.00	(Min)
b)	At frequency of	4.00	MHz		23.01	(Min)
c)	At frequency of	8.00	MHz		24.52	(Min)
d)	At frequency of	10.00	MHz		25.00	(Min)
e)	At frequency of	16.00	MHz		25.00	(Min)
f)	At frequency of	20.00	MHz		25.00	(Min)
g)	At frequency of	25.00	MHz		24.32	(Min)
h)	At frequency of	31.25	MHz		23.64	(Min)
i)	At frequency of	62.50	MHz		21.54	(Min)
j)	At frequency of	100.00	MHz		20.11	(Min)
k)	At frequency of	125.00	MHz		19.43	(Min)
l)	At frequency of	150.00	MHz		18.87	(Min)
m)	At frequency of	200.00	MHz		18.00	(Min)
n)	At frequency of	250.00	MHz		17.32	(Min)

SI No.	Technical Parameter			Unit	Requirement	
	Characteristic Impedance(Up to 100 MHz)			Ohm	100+/-15	(Nom)
4	Near End Cross Talk (Next)			(dB)		
a)	At frequency of	1.00	MHz		74.30	(Min)
b)	At frequency of	4.00	MHz		65.26	(Min)
c)	At frequency of	8.00	MHz		60.75	(Min)
d)	At frequency of	10.00	MHz		59.30	(Min)
e)	At frequency of	16.00	MHz		56.24	(Min)
f)	At frequency of	20.00	MHz		54.78	(Min)
g)	At frequency of	25.00	MHz		53.33	(Min)
h)	At frequency of	31.25	MHz		51.88	(Min)
i)	At frequency of	62.50	MHz		47.36	(Min)
j)	At frequency of	100.00	MHz		44.30	(Min)
k)	At frequency of	125.00	MHz		42.85	(Min)
l)	At frequency of	150.00	MHz		41.66	(Min)
m)	At frequency of	200.00	MHz		39.78	(Min)
n)	At frequency of	250.00	MHz		38.33	(Min)
5	Equal Level Far End Cross Talk (ELFEXT)			(dB)		
a)	At frequency of	1.00	MHz		67.80	(Min)
b)	At frequency of	4.00	MHz		55.76	(Min)
c)	At frequency of	8.00	MHz		49.74	(Min)
d)	At frequency of	10.00	MHz		47.80	(Min)
e)	At frequency of	16.00	MHz		43.72	(Min)
f)	At frequency of	20.00	MHz		41.78	(Min)
g)	At frequency of	25.00	MHz		39.84	(Min)
h)	At frequency of	31.25	MHz		37.90	(Min)
i)	At frequency of	62.50	MHz		31.88	(Min)
j)	At frequency of	100.00	MHz		27.80	(Min)
k)	At frequency of	125.00	MHz		25.86	(Min)
l)	At frequency of	150.00	MHz		24.28	(Min)
m)	At frequency of	200.00	MHz		21.78	(Min)
n	At frequency of	250.00	MHz		19.84	(Min)
6	Power Sum Near End Cross Talk (PSNEXT)			(dB)		
a)	At frequency of	1.00	MHz		72.30	(Min)
b)	At frequency of	4.00	MHz		63.27	(Min)
c)	At frequency of	8.00	MHz		58.75	(Min)
d)	At frequency of	10.00	MHz		57.30	(Min)
e)	At frequency of	16.00	MHz		54.24	(Min)
f)	At frequency of	20.00	MHz		52.78	(Min)
g)	At frequency of	25.00	MHz		51.33	(Min)
h)	At frequency of	31.25	MHz		49.88	(Min)
i)	At frequency of	62.50	MHz		45.36	(Min)
j)	At frequency of	100.00	MHz		42.30	(Min)
k)	At frequency of	125.00	MHz		40.84	(Min)
l)	At frequency of	150.00	MHz		39.66	(Min)
m)	At frequency of	200.00	MHz		37.78	(Min)
n)	At frequency of	250.00	MHz		36.33	(Min)
7	Power Sum Equal Level End Cross Talk (PSELFEXT)			(dB)		
a)	At frequency of	1.00	MHz		64.80	(Min)
b)	At frequency of	4.00	MHz		52.76	(Min)
c)	At frequency of	8.00	MHz		46.74	(Min)
d)	At frequency of	10.00	MHz		44.80	(Min)
e)	At frequency of	16.00	MHz		40.72	(Min)
f)	At frequency of	20.00	MHz		38.78	(Min)
g)	At frequency of	25.00	MHz		36.84	(Min)
h)	At frequency of	31.25	MHz		34.90	(Min)
i)	At frequency of	62.50	MHz		28.88	(Min)
j)	At frequency of	100.00	MHz		24.80	(Min)
k)	At frequency of	125.00	MHz		22.86	(Min)
l)	At frequency of	150.00	MHz		21.28	(Min)
m)	At frequency of	200.00	MHz		18.78	(Min)
n)	At frequency of	250.00	MHz		16.84	(Min)
8	Operating Temperature			0	-20 to 80	
9	Approximate Overall Diameter			mm	5.7	
10	Approximate Weight			Kg/Km	45	

Certificates

مجلس أبوظبي للجودة والمطابقة
Abu Dhabi Quality & Conformity Council

وثيقة التسجيل
Registration Document

Registration No:	QAD-2022-0862-01-CM	رقم التسجيل:
Expiry Date:	29 November 2023	تاريخ الانتهاء:
Issuing Date:	30 November 2022	تاريخ الإصدار:
Conformity Scheme:	Construction and Infrastructure Materials TA	برنامج المطابقة:
Product:	Low Voltage Cables and Electrical Wires	المنتج:
Name and Address of the Applicant:	Great White FZCO 4 East Building Office Number 347, Dubai Airport Free Zone (DAFZA), P.O. Box 293620, Dubai, UAE	اسم وعنوان مقدم الطلب:
Name and Address of the Manufacturer:	Great White Global Private Limited Survey No 36/1, 32/2/P1, 35/2, 38/P1, 39/P2, N H No 48, Gundlav, Valsad 396 035, Gujarat, India	اسم وعنوان المصنع:
Trademark / Brand Name:	GREATWHITE	العلامة التجارية / الاسم التجاري:

QAD-2022-0862-01-CM

This is an electronic Document and does not require stamp.
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Any changes or modification on this Document will affect its validity.

الإمارات العربية المتحدة
وزارة الصناعة والتكنولوجيا المتقدمة
UNITED ARAB EMIRATES
MINISTRY OF INDUSTRY & ADVANCED TECHNOLOGY

شهادة مطابقة لعلامة الجودة الإماراتية
Certificate of Conformity for Emirates Quality Mark

Underwriters Laboratories FZ LLC

جهة معتمدة من قبل وزارة الصناعة والتكنولوجيا المتقدمة
Notified body by Ministry of Industry and Advanced Technology

Certificate Number:	22-07-20061/Q22-07-045745/INB0010	رقم الشهادة:
Registration Date:	29-July-2022	تاريخ الاصدار:
Valid Until:	28-July-2025	صلاحية لغاية:
Issued To:	GREATWHITE GLOBAL PVT. LTD.	اصدرت الي:
Address:	SURVEY NO. 36/1, 32/2/P1, 35/2, 38/P1, 39/P2 NH-8 GUNDLAV, VALSAD	عنوان المصنع:
Factory Address:	SURVEY NO. 36/1, 32/2/P1, 35/2, 38/P1, 39/P2 NH-8 GUNDLAV, VALSAD	القسم:

Section:	Electrical	اللائحة:
Regulation:	Low Voltage Cables & Electrical Wires	تصنيف المنتج:
Product Category:	Low Voltage Cables & Electrical Wires	التصنيف الفرعي للمنتج:
Product Sub-Category:	Low Voltage Cables & Electrical Wires	تفاصيل المنتجات:
Products details:	See Schedule of Certification	

المنتجات المذكورة في بيان التسجيل
المعلق مرخصة باستخدام علامة الجودة
الإماراتية لمطابقتها للوصف المعتمد
والإجراءات الخاصة بعلامة الجودة
الإماراتية

هذا الشهادة للقرينة ولا تحتاج إلى ختم وتوقيع
لأنه من صفة الشهادة يرجى مسح رمز الإشعار السريع
أي تغيير في هذا الشهادة يلغى

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Any changes or modification on this certificate will affect its validity.

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bsi.

Kitemark™ Certificate

This is to certify that:

Great White Global Pvt Ltd
SURVEY No. 36/1, 32/2/P1
35/2, 38/P1, 38/P2
NH -08, Gundlav Char Rasta
Valsad
Gujarat
396 035
India

KM 782799

Holds Certificate Number:

In respect of:

Electric Cables
Rigid and flexible energy cables for use in power installations and/or with domestic and industrial appliances and equipment.

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

Shahm Barhom, Group Product Certification Director

For and on behalf of BSI:

First Issued: 2023-02-23
Latest Issue: 2023-02-23

Effective Date: 2023-02-23
Expiry Date: 2025-02-13

Page: 1 of 3

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated online.

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

UKcert
Certification & Inspection

Certificate of Compliance

RoHS Directive (2002/95/EC) as Amended (2011/65/EU) of the European Parliament and of the Council on the restriction of use of certain Hazardous Substances in Electrical and Electronic Equipment.

Certificate No.: UQ-2023062149

Manufacturer Name: GREAT WHITE GLOBAL PRIVATE LIMITED

Address: Survey No. 32/2/P1, 35/2, 38/P1, 39/P2, NH-8, Valsad, Gujarat, India

Products: PVC Insulated (Unbraided) Single Core Cables/Cords, PVC Insulated Braided & Shielded Multicore Cables/Cords, Communication Cables, PVC Conduit Pipes, Ceiling Casing & PVC Tapew, Domestic Switches, Sockets, Plugs and wiring Accessories

This is to state that the above mentioned product is in compliance with RoHS Directive (2002/95/EC) as Amended (2011/65/EU) of the European Parliament and of the Council on the restriction of use of certain Hazardous Substances in Electrical and Electronic Equipment.

Statement: This certificate declares that the product type / model described above complies with the mentioned above European Standard(s).

Remarks: This certificate of compliance is based on the evaluation of a sample of the above mentioned products. It does not imply and does not constitute a warranty of the manufacturer. The certificate holder shall be responsible for the maintenance and repair of the product. The certificate holder shall be responsible for the maintenance and repair of the product. The certificate holder shall be responsible for the maintenance and repair of the product.

The certificate is valid for three years from the date of issue. The certificate holder shall be responsible for the maintenance and repair of the product. The certificate holder shall be responsible for the maintenance and repair of the product. The certificate holder shall be responsible for the maintenance and repair of the product.

Validity of this certificate can be verified at: www.ukcertifications.org.uk/verify

Date of this Certification: 21st June 2023

1st Surveillance Audit Due: 20th June 2024

2nd Surveillance Audit Due: 20th June 2025

3rd Surveillance Audit Due: 20th June 2026

Authorised Signatory: Daniel

RoHS compliant

Certificates

UKcert
Certification & Inspection

Certificate of Compliance

Hereby certifies complete compliance to the requirements of REACH's SVHC
Substances of Very High Concern, the European Community Regulation standard
about chemicals and their safe use (EC 1907/2006)

Certificate No.: UQ-2022022646

Manufacturer Name: GREAT WHITE GLOBAL PRIVATE LIMITED
Address: Survey No. 36/1, 35/2, 36/P1 & 36, N.H. Road
No.8, Vill. Gundlav, Valad-396035, Gujarat, India

has been self assessed and is compliant with the requirements of

REACH

(Registration, Evaluation and Authorisation of Chemical Substances - EC/1907/2006) System of
specific information relating to dangerous Preparations, 2001/59/EC, Dangerous Substances
Directive 76/769/EEC, amending Directive 1999/45/EC and existing Council Directive 1978/305/EEC
No 760/93 and Commission Regulation (EC) No. 1488/04 as well as Council Directive 1978/305/EEC

This certificate is applicable to the following scope:
PVC Insulated (Unbraided) Single Core Cables, PVC Insulated Unbraided &
Braided Multicore Cables / Cords, PVC/LPE Insulated Braided Single Core
Multicore Armoured Cables, Communication Cables, PVC Conduit Pipes, Casing,
Coping & PVC Tapes, Domestic Switches, Sockets, Plugs and Wiring Accessories

This certificate is issued under the following conditions:
1. It applies only to the quality system maintained in the manufacture of above
referenced models and it does not substitute the design or type examination
procedures, if requested.
2. The certificate remains valid upon positive results or successful audits.
3. The certificate validity is conditioned by positive results or successful audits.
4. The certificate validity can be verified at www.ukcertifications.org.uk/verify
5. The certificate validity can be verified at www.ukcertifications.org.uk/verify
6. The certificate validity can be verified at www.ukcertifications.org.uk/verify

Date of Initial Registration: 25th February 2022
2nd Surveillance Audit Due: 25th February 2024
Certificate Expiry: 25th February 2025

Authorised Signatory: Daniel

UKcert
Certification & Inspection

Certificate of Compliance

CE

We hereby declare that the technical file of product complies with the requirement of directive
2014/53/EU Low Voltage Directive

Certificate No.: CR-2698

Manufacturer Name: GREAT WHITE GLOBAL PRIVATE LIMITED
Address: Survey No. 35/2, 36/P1, 36/P2 and 36/P3, Gundlav,
Valad N.H. No. 48, Valad, Gujarat-396035, India

Product: Electrical Switches, Plug & Socket Outlets, MCBS, Changeover
Switch, Switch Disconnector, Wiring Accessories, Electronics & IT
Accessories, Fans, Conduit Pipes, PVC Tapes

Complies with the requirements applicable to it:
The quality system file has been assessed, approved and is subject to continuous surveillance according
to the ISO 9001:2015 Low Voltage Directive

This certificate is issued under the following conditions:
1. It applies only to the quality system maintained in the manufacture of above referenced
models and it does not substitute the design or type examination procedures, if requested.
2. The certificate remains valid upon positive results or successful audits.
3. The certificate validity is conditioned by positive results or successful audits.
4. The certificate validity can be verified at www.ukcertifications.org.uk/verify
5. The certificate validity can be verified at www.ukcertifications.org.uk/verify
6. The certificate validity can be verified at www.ukcertifications.org.uk/verify

Date of Certificate: 21st June 2023
1st Surveillance Audit Due: 20th June 2024
2nd Surveillance Audit Due: 20th June 2025
Certificate Expiry: 20th June 2026

Authorised Signatory: Daniel

bsi.
Kitemark™ Certificate

This is to certify that:

Great White Global Pvt Ltd
SURVEY NO. 36/1, 32/2/P1,
35/2, 36/P1, 36/P2,
NH-08, Gundlav Char Rasta
Valad,
Gujarat
396 035
India

Hold Certificate Number: KM 703310

In respect of:
**Electric Cables
Rigid and flexible energy cables for use in power installations and/or with domestic and industrial
appliances and equipment.**

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions
governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions").
As defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the
above address.

For and on behalf of BSI:
First Issued: 2020-06-02
Latest Issue: 2022-09-14

Effective Date: 2022-09-14
Expiry Date: 2025-02-13
Page: 1 of 2

bsi.
Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

Great White Global Private Limited
SURVEY NO 32 2 35 2 38 P1 39 P2,
N H NO 48, GUNDLAV,
VALSAD 396 035
Gujarat
India

Hold Certificate No: FM 733450

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the
following scope:
The Manufacture of Electrical Switches, Plug & socket outlets, Change over switches, Isolators,
Wiring accessories, wires & cables, Electronics - Regulators, USB, & IT products and Trading of
Conduit Pipes, PVC Insulation tapes, LED panels, distribution box and fans.

For and on behalf of BSI:
Original Registration Date: 2021-05-29
Latest Revision Date: 2021-05-29

Effective Date: 2021-05-29
Expiry Date: 2024-05-28
Page: 1 of 2

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bsi.
Kitemark™ Certificate

This is to certify that:

Great White Global Pvt Ltd
SURVEY NO. 36/1, 32/2/P1,
35/2, 36/P1, 36/P2,
NH-08, Gundlav Char Rasta
Valad,
Gujarat
396 035
India

Hold Certificate Number: KM 703311

In respect of:
**Electric Cables
Rigid and flexible energy cables for use in power installations and/or with domestic and industrial
appliances and equipment.**

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions
governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions").
As defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the
above address.

For and on behalf of BSI:
First Issued: 2020-06-02
Latest Issue: 2022-09-14

Effective Date: 2022-09-14
Expiry Date: 2025-02-13
Page: 1 of 2

bsi.
Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that:

Great White Global Private Limited
SURVEY NO 32 2 35 2 38 P1 39 P2,
N H NO 48, GUNDLAV,
VALSAD 396 035
Gujarat
India

Hold Certificate No: EMS 733451

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for
the following scope:
The Manufacture of Electrical Switches, Plug & socket outlets, Change over switches, Isolators,
Wiring accessories, wires & cables, Electronics - Regulators, USB, & IT products and Trading of
Conduit Pipes, PVC Insulation tapes, LED panels, distribution box and fans.

For and on behalf of BSI:
Original Registration Date: 2021-05-29
Latest Revision Date: 2021-05-29

Effective Date: 2021-05-29
Expiry Date: 2024-05-28
Page: 1 of 2

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bsi.
Certificate of Registration

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM - ISO 45001:2018

This is to certify that:

Great White Global Private Limited
SURVEY NO 32 2 35 2 38 P1 39 P2,
N H NO 48, GUNDLAV,
VALSAD 396 035
Gujarat
India

Hold Certificate No: OHS 733453

and operates an Occupational Health and Safety Management System which complies with the requirements of
ISO 45001:2018 for the following scope:
The Manufacture of Electrical Switches, Plug & socket outlets, Change over switches, Isolators,
Wiring accessories, wires & cables, Electronics - Regulators, USB, & IT products and Trading of
Conduit Pipes, PVC Insulation tapes, LED panels, distribution box and fans.

For and on behalf of BSI:
Original Registration Date: 2021-05-27
Latest Revision Date: 2021-05-27

Effective Date: 2021-05-27
Expiry Date: 2024-05-26
Page: 1 of 2

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Notes

Note:- Material Code for all colour will be as BSFR-0050-RD-1, BSFR-0050-YL-1, BSFR-0050-BU-1, BSFR-0050-BK-1, BSFR-0050-GN-1, BSFR-0050-GY-1, BSFR-0050-GY-1 in same sequence the material code will be for all sizes.

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Switches & Home Automation | Lighting | Fans MCB | Wires & Cables | uPVC Conduits | Sensors

Since our inception, we have been striving to provide an extraordinary lifestyle through revolutionary products in the home electrical space.

We started our journey with a vision to make comfort and luxury a reality. With passion, relentless efforts and commitment we have developed quality and innovative solutions. We are proud to be honored as the '**World's Best Brand of the year 2017-18**' for South East Asia. In the year 2022, we have bagged '**The Pride of India Brands**' award in the home electrical category at the Best of Bharat Awards 2022 hosted by **Exchange4Media**. With the latest addition we have added another feather in our cap by being awarded as the '**Most Trusted Brands Of India**' as an outstanding Home electrical solution provider by Marksmen daily Group.

With extensive research and development, we have developed products that are a perfect blend of design and technology. All **GreatWhite** products are crafted to perfection at our two state of the art manufacturing facilities that are over 2,00,000 sq. ft. and 3,00,000 sq. ft. respectively.

To provide an extraordinary lifestyle, we have developed revolutionary products like new age **Switches, LEDs, Fans, Home Automation, Wires & cables, Switchgears, Sensors** and more.

At the heart of **GreatWhite** lies Innovation, luxury and passion. At **GreatWhite**, we leave no stone unturned to raise the quality of life and therefore, we create solutions that harmonize design and technology.

Join us in our journey of luxury indeed in the journey of Great.

