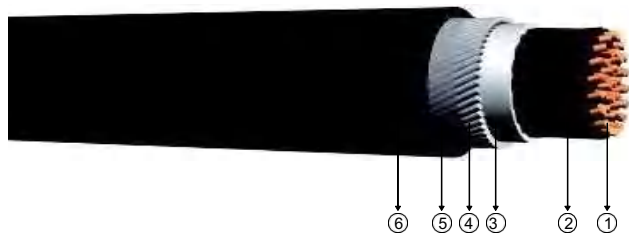
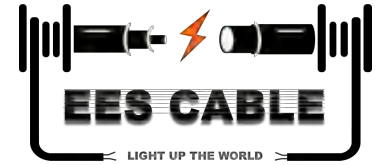


N2XRY 0,6 - 1 kV / CU/XLPE/SWA/PVC CONTROL CABLE



■ N2XRY 0,6 - 1 kV / CU/XLPE/SWA/PVC

U: Solid Conductor
R: Stranded Conductor Rigid

Standards: EC 60502 - 1, BS5467

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C(max. 5 sec.)
 Rated voltage : 0.6/1kV
 Min. bending radius : 15 xD
 D : Cable outer diameter

Application

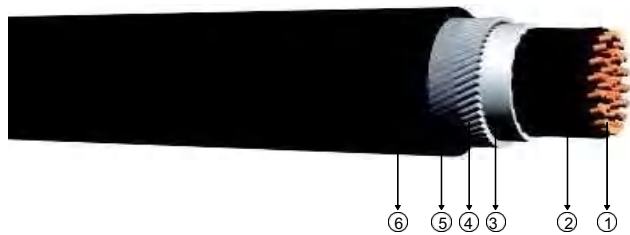
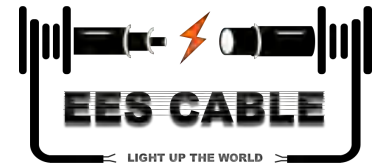
These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage.

Construction

- 1 Solid or stranded copper conductor
- 3 Filler
- 5 Polyester tape
- 2 XLPE insulation
- 4 Galvanized round steel wire
- 6 PVC outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES			
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 C	In air at 30 C
5x1.5	15.0	420	1000	12.1	21.0	18.0
6x1.5	16.5	470	1000	12.1	19.5	16.8
7x1.5	16.5	480	1000	12.1	18.0	15.6
8x1.5	18.0	670	1000	12.1	16.5	14.4
10x1.5	19.5	800	1000	12.1	15.0	13.2
12x1.5	20.0	850	1000	12.1	14.3	12.6
14x1.5	20.5	900	1000	12.1	13.5	12.0
16x1.5	21.5	950	1000	12.1	12.8	11.4
19x1.5	22.0	1050	1000	12.1	12.0	10.8
21x1.5	24.0	1300	1000	12.1	11.3	10.2
24x1.5	25.5	1450	1000	12.1	10.5	9.6
27x1.5	26.0	1500	1000	12.1	10.2	9.4
30x1.5	27.0	1600	1000	12.1	9.9	9.1
37x1.5	28.5	1800	1000	12.1	9.3	8.6
40x1.5	29.5	1950	1000	12.1	9.0	8.4
48x1.5	32.0	2250	1000	12.1	8.4	7.9
52x1.5	32.5	2350	1000	12.1	7.8	7.4
61x1.5	35.5	2900	1000	12.1	7.5	7.2

N2XRY 0,6 - 1 kV / CU/XLPE/SWA/PVC CONTROL CABLE



■ N2XRY 0,6 - 1 kV / CU/XLPE/SWA/PVC

U: Solid Conductor
R: Stranded Conductor Rigid

Standards: EC 60502 - 1, BS5467

Technical Data

Max. operating temperature : 90°C
 Max. short circuit temperature : 250 °C(max. 5 sec.)
 Rated voltage : 0.6/1 kV
 Min. bending radius : 15 xD
 D : Cable outer diameter

Application

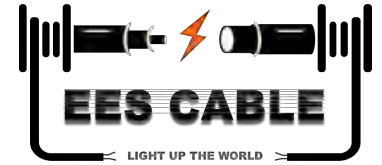
These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage.

Construction

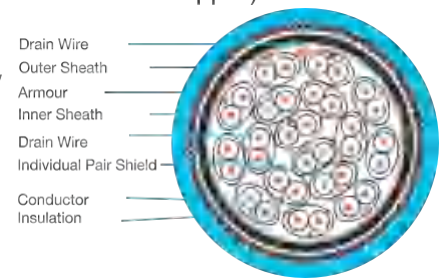
- 1 Solid or stranded copper conductor
- 3 Filler
- 5 Polyester tape
- 2 XLPE insulation
- 4 Galvanized round steel wire
- 6 PVC outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES			
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
5x2.5	16.0	500	1000	7.41	28.0	24.0
6x2.5	17.5	700	1000	7.41	26.0	22.4
7x2.5	18.0	700	1000	7.41	24.0	20.8
8x2.5	19.0	800	1000	7.41	22.0	19.2
10x2.5	21.0	950	1000	7.41	20.0	17.6
12x2.5	21.5	1050	1000	7.41	19.0	16.8
14x2.5	22.0	1100	1000	7.41	18.0	16.0
16x2.5	24.0	1350	1000	7.41	16.5	15.2
19x2.5	25.0	1450	1000	7.41	16.0	14.4
21x2.5	26.0	1600	1000	7.41	15.0	13.6
24x2.5	28.0	1850	1000	7.41	14.0	12.8
27x2.5	28.5	1900	1000	7.41	13.6	12.5
30x2.5	29.5	2050	1000	7.41	13.2	12.2
37x2.5	31.5	2300	1000	7.41	12.5	11.5
40x2.5	32.5	2500	1000	7.41	12.0	11.2
48x2.5	36.5	3200	1000	7.41	11.0	10.6
52x2.5	37.5	3400	1000	7.41	10.5	9.9
61x2.5	39.5	3750	1000	7.41	10.0	9.6

Instrumentation, Signal Cables Control Cable



- Applications** Used in Data Acquisition systems, computer networking. PA systems, Digital control / Measuring & communication systems. Specially designed to transmit signals without any external interference
- Type & Size** Manufactured with conductor sizes 0.5/0.75/1.0/1.5 sq. mm. conforming to BS:5308-I&II IEC-189,IS:1554-I:88, VDE 0815, IEC: 60227
- Conductor** Solid / stranded / Flexible copper (Annealed Bare Copper / Annealed Tinned Copper)
- Insulation** PVC - GP / HR; PE, ZHFR
- Shielding** core /Pair/Triad/Quads, Individual & overall or overall screen by Al-mylar tape / copper tape / or ABC / ATC Wire braiding
- Inner Sheath** PVC - GP / HR / FR / FRLS; PE, ZHFR
- Armouring** Galvanised steel round wire / steel strip
- Rip Cord** High tensile strength Nylon rip cord for Jacket removal
- Outer sheath** PVC - GP / HR / FR / FRLS; PE, ZHFR



We can supply PVC/PE insulated instrumentation cables as per customer's requirements or as per various National / International standards such as IEC, BS, VDE, IS, BHEL, NTPC etc.

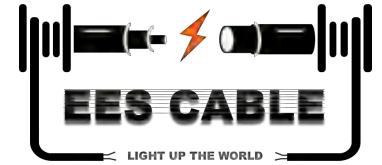
Electrical and physical parameters of cables are maintained as per applicable standards / customer's requirements as agreed between customer and EES

300/500 Volts Grade PVC insulated and PVC sheathed, unshielded / individual pair shielded / overall armoured / unarmoured instrumentation cable conforming to BS : 5308-II/86

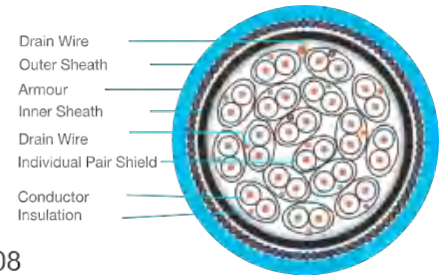
0.5 sq. mm Multipair PVC insulated and PVC sheathed cables

No. of Pair	2		5		10		15	
	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd
Cable Type								
Conductor formation	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2
Insulation thickness (mm) (Nominal)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Max. core diameter (mm)	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
Thickness of inner sheath (mm) (Nominal)	1.1	1.1	1.2	1.2	1.3	1.3	1.5	1.5
Diameter over inner sheath (mm)	11.0	11.0	14.2	14.2	20.1	20.1	23.5	23.5
Size of armour wire (mm)	NA	0.9	NA	1.25	NA	1.6	NA	1.6
Diameter over armour (mm)	NA	12.8	NA	16.7	NA	23.3	NA	26.7
Thickness of outer sheath (mm) (Nominal)		1.5		1.6		1.8		1.8
Nominal overall Diameter (mm) (for information only)	11.0	15.8	14.2	19.9	20.1	26.9	23.5	30.3

Instrumentation, Signal Cables Control Cable



* To obtain the diameter of these cables with a collective screen, add 1.0 mm to the diameter given above. *Note* : Cable with number of pairs upto 50 can be supplied.



300/500 Volts Grade PVC insulated and PVC sheathed, unscreened / overall screened, armoured / unarmoured instrumentation cable conforming to BS : 5308

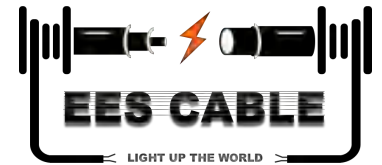
0.75 sq.mm multipair PVC insulated and PVC sheathed cables

No. of Pair	2		5		10		15	
	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd
Cable Type								
Conductor formation	24/0.2	24/0.2	24/0.2	24/0.2	24/0.2	24/0.2	24/0.2	24/0.2
Insulation thickness (mm) (Nominal)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Max. core diameter (mm)	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55
Thickness of inner sheath (mm) (Nominal)	1.1	1.1	1.2	1.2	1.3	1.3	1.5	1.5
Diameter over inner sheath (mm)	11.8	11.8	15.3	15.3	21.7	21.7	25.4	25.4
Size of armour wire (mm)	NA	0.9	NA	1.25	NA	1.6	NA	1.6
Diameter over armour (mm)	NA	13.6	NA	17.8	NA	24.9	NA	28.6
Thickness of outer sheath (mm) (Nominal)		1.5		1.6		1.8		1.9
Nominal overall Diameter (mm) (for information only)	11.8	16.6	15.3	21	21.7	28.5	25.4	32.4

1.5 sq.mm multipair PVC insulated and PVC sheathed cables

No. of Pair	2		5		10		15	
	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd
Cable Type								
Conductor formation	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53
Insulation thickness (mm) (Nominal)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Max. core diameter (mm)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Thickness of inner sheath (mm) (Nominal)	1.2	1.2	1.3	1.3	1.5	1.5	1.7	1.7
Diameter over inner sheath (mm)	13.7	13.7	17.8	17.8	25.5	25.5	29.8	29.8
Size of armour wire (mm)	NA	1.25	NA	1.6	NA	1.6	NA	2.0
Diameter over armour (mm)	NA	16.2	NA	21.0	NA	28.7	NA	33.8
Thickness of outer sheath (mm) (Nominal)	1.6		1.7		1.9		2.0	
Nominal overall Diameter (mm) (for information only)	13.7	19.4	17.8	24.4	25.5	32.5	29.8	37.8

Instrumentation, Signal Cables Control Cable



0.5 sq.mm Single multipair PVC insulated and PVC sheathed cables

No. of Pair	1		2 (Quad Formation)		5		10	
	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd
Cable Type								
Conductor formation	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2
Insulation thickness (mm) (Nominal)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Max. core diameter (mm)	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
Thickness of inner sheath (mm) (Nominal)	0.8	0.8	0.8	0.8	1.1	1.1	1.2	1.2
Diameter over inner sheath (mm)	6.0	6.0	6.9	6.9	12.1	12.1	16.2	16.2
Size of armour wire (mm)	NA	0.9	NA	0.9	NA	0.9	NA	1.25
Diameter over armour (mm)	NA	7.8	NA	8.7	NA	13.9	NA	18.7
Thickness of outer sheath (mm) (Nominal)		1.3		1.3		1.5		1.6
Nominal overall Diameter (mm) (for information only)	6.0	10.4	6.9	11.3	12.1	16.9	16.2	21.9

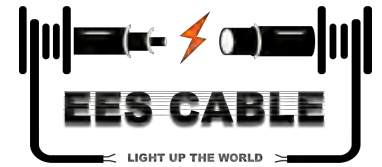
0.75 sq.mm Single / multipair PVC insulated and PVC sheathed cables

No. of Pair	1		2 (Quad Formation)		5		10	
	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd
Cable Type								
Conductor formation	24/0.2	24/0.2	24/0.2	24/0.2	24/0.2	24/0.2	24/0.2	24/0.2
Insulation thickness (mm) (Nominal)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Max. core diameter (mm)	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55
Thickness of inner sheath (mm) (Nominal)	0.8	0.8	0.8	0.8	1.2	1.2	1.3	1.3
Diameter over inner sheath (mm)	6.3	6.3	7.3	7.3	13.3	13.3	17.7	17.7
Size of armour wire (mm)	NA	0.9	NA	0.9	NA	1.25	NA	1.6
Diameter over armour (mm)	NA	8.1	NA	9.1	NA	15.8	NA	20.9
Thickness of outer sheath (mm) (Nominal)		1.3		1.4		1.5		1.7
Nominal overall Diameter (mm) (for information only)	6.3	10.7	7.3	11.9	13.3	18.8	17.7	24.3

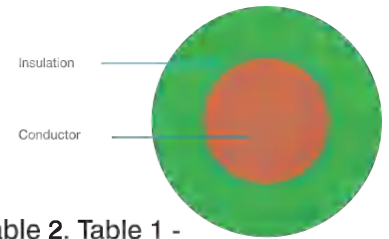
1.5 sq.mm Single / multipair PVC insulated and PVC sheathed cables

No. of Pair	1		2 (Quad Formation)		5		10	
	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd	Unarmd	Armd
Cable Type								
Conductor formation	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53
Insulation thickness (mm) (Nominal)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Max. core diameter (mm)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Thickness of inner sheath (mm) (Nominal)	0.8	0.8	0.9	0.9	1.2	1.2	1.3	1.3
Diameter over inner sheath (mm)	7.3	7.3	8.7	8.7	15.4	15.4	20.6	20.6
Size of armour wire (mm)	NA	0.9	NA	0.9	NA	1.25	NA	1.6
Diameter over armour (mm)	NA	9.1	NA	10.5	NA	17.9	NA	23.8
Thickness of outer sheath (mm) (Nominal)		1.4		1.4		1.6		1.8
Nominal overall Diameter (mm) (for information only)	7.3	11.9	8.7	13.3	15.4	21.1	20.6	27.4

Winding Wire PVC Insulated for Submersible Pump Motors Control Cable



EES. has also developed a special range of winding wires with stranded copper conductor insulated with HR PVC compound for higher current carrying capacity for submersible pump motors. EES winding wires are insulated with a very superior grade of HR PVC and with a modern, well equipped plant, to give it the necessary electrical strength and resistance to abrasion.



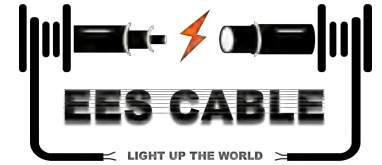
The solid / stranded copper conductor range of these winding wires is given in table 2. Table 1 - HR PVC Insulated winding wires as per IS : 8783 (Part 4/Sec 1) : 1995 (Solid copper conductor)

	-sectiona . mm.)	Min. Insulation Thickness (mm.)	Approx. overall Diameter (mm.)	Max. Conductor Resistance at 20° C (Ohms/km)
0.60	0.283	0.25	1.25	62.20
0.70	0.385	0.30	1.45	45.70
0.80	0.502	0.30	1.55	35.00
0.90	0.638	0.30	1.65	27.60
1.00	0.785	0.30	1.75	22.40
1.10	0.950	0.30	1.85	18.50
1.20	1.13	0.30	1.95	15.50
1.30	1.33	0.30	2.05	13.20
1.40	1.54	0.35	2.25	11.40
1.50	1.77	0.35	2.35	9.95
1.60	2.01	0.35	2.45	8.75
1.70	2.27	0.35	2.55	7.75
1.80	2.54	0.35	2.70	6.91
1.90	2.84	0.35	2.80	6.20
2.00	3.14	0.45	3.10	5.60
2.10	3.46	0.45	3.20	5.08
2.20	3.80	0.45	3.30	4.63
2.30	4.15	0.45	3.40	4.23
2.40	4.52	0.50	3.60	3.89
2.50	4.91	0.50	3.70	3.58
2.60	5.31	0.50	3.80	3.31
2.70	5.73	0.50	3.90	3.07
2.80	6.19	0.55	4.10	2.86
2.90	6.60	0.55	4.20	2.66
3.00	7.07	0.55	4.30	2.49

No. of strands/ Nom. Strand dia (mm.)	Nom. Conductor Diameter (mm.)	Min. Insulation thicknes (mm.)	Max. Overall Diameter (mm.)	Max. conductor resistance at 20°C (Ohms/km)
19/0.68	3.40	0.50	4.60	2.60
19/0.78	3.90	0.60	5.20	1.98
19/0.82	4.10	0.60	5.40	1.79
19/0.90	4.50	0.60	5.90	1.48
19/0.97	4.85	0.70	6.40	1.28
19/1.04	5.20	0.80	6.90	1.11

CONTROL CABLE

Control Cable



Technical detail for EES 1100 V 1.5 sq mm solid copper cond. Multicore XLPE / PVC insulated, Galvanized steel wire/Strip Armoured / Unarmoured Control cable conforming to IS : 1554 (Part 1) / 1988 & IS : 7098 / (Part 1) / 1988

Conductor Material Annealed bare copper/option:tinned Construction : SOLID/STRANDED

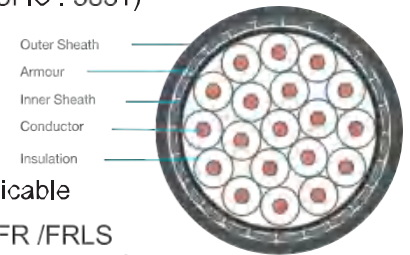
Insulation Material XLPE / PVC Type A of IS :5831/OPTION : HR PVC(Type -C of IS : 5831)
Nominal insulation thickness 0.80 mm,

Cores identification Up to 5 core by color coding & more than 5 core by color coding /Nos printing on core

Inner Sheath Extruded PVC

Armouring Single layer of Galvanized steel round wire /Flat strip as applicable

Outer Sheath PVC TYPE ST-1 of IS : 5831, PVC TYPE -ST-2 of IS:5831/ FR /FRLS
Type COLOUR of outer sheath BLACK and any other color as per requirement

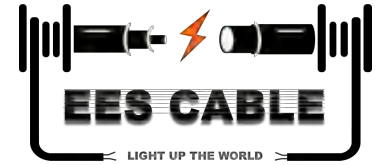


Physical Parameters - conforming to IS : 1554 (Part - 1)/1988

Cable Code : (YY/YWY/YFY)		Unarmoured (YY)		Armoured with Flat Strips / Round Wires (YFY/YWY)				Approx. Net Wt of Cable (Kg/KM)		Normal current Rating in Amps.			
No. of Cores	Min. thick of inner sheath	Nom thick of outer sheath	Approx. overall Diameter	Diameter of round wire (Nom.)	Diameter of Flat strip (Nom.)	Min. thick of outer sheath	Approx. overall Diameter	Unarm- oured (YY)	Weight of Cable Armoured (Approx)	with general Insulation		with H.R. Insulation	
Nos.)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg / km)	(kg / km)	Ground	Air	Ground	Air
2	0.30	1.8	11.5	1.40	-	1.24	13.0	170	385	23	20	26	24
3	0.30	1.8	12	1.40	-	1.24	13.5	195	420	21	17	24	21
4	0.30	1.8	12.5	1.40	-	1.24	14.0	225	460	21	17	24	21
5	0.30	1.8	13.5	1.40	-	1.24	15.0	240	500	21	17	24	21
6	0.30	1.8	14.5	1.40	-	1.24	16.0	280	565	15	13	17	16
7	0.30	1.8	15	1.40	-	1.24	16.0	300	580	14	13	16	15
8	0.30	1.8	16	1.40	-	1.24	17.0	330	630	14	12	16	14
10	0.30	1.8	17	1.40	-	1.24	18.5	365	695	13	11	15	13
12	0.30	1.8	17.5	-	4.0x0.8	1.24	19.0	395	765	12	10	14	12
14	0.30	1.8	18	-	4.0x0.8	1.40	18.0	445	665	11	10	13	12
16	0.30	1.8	18.5	-	4.0x0.8	1.40	19.0	495	750	11	9	13	11
19	0.30	2.0	19.5	-	4.0x0.8	1.40	20.0	520	825	10	9	11	11
24	0.30	2.0	21	-	4.0x0.8	1.40	21.0	590	905	9	8	10	10
27	0.30	2.0	24	-	4.0x0.8	1.40	24.0	740	1005	9	8	10	10
30	0.30	2.0	24.5	-	4.0x0.8	1.40	24.5	800	1195	9	7	10	8
37	0.30	2.0	25	-	4.0x0.8	1.40	25.0	870	1260	8	7	9	8
40	0.30	2.0	27	-	4.0x0.8	1.40	27.0	1040	1460	8	7	9	8
44	0.30	2.0	30	-	4.0x0.8	1.56	31.0	1240	1750	7	7	8	7
52	0.40	2.2	33	-	4.0x0.8	1.56	32.0	1450	1975	6	6	7	7
61	0.40	2.2	31.5	-	4.0x0.8	1.56	34.0	1680	2215	6	6	7	7

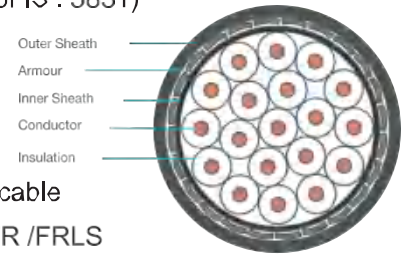
CONTROL CABLE

Control Cable



Technical detail for EES 1100 V 2.5 sq mm solid copper cond. Multicore XLPE / PVC insulated, Galvanized steel wire/Strip Armoured / Unarmoured Control cable conforming to IS : 1554 (Part 1) / 1988 & IS : 7098 (Part 1) /1988

- Conductor Material** Annealed bare copper/option:tinned Construction : SOLID/STRANDED (As per requirement)
- Insulation Material** XLPE / PVC Type A of IS :5831/OPTION : HR PVC (Type -C of IS : 5831)
Nominal insulation thickness 0.90 mm,
- Cores identification** Up to 5 core by color coding & more than 5 core by color coding /Nos printing on core
- Inner Sheath** Extruded PVC
- Armouring** Single layer of Galvanized steel round wire /Flat strip as applicable
- Outer Sheath** PVC TYPE ST-1 of IS : 5831, PVC TYPE -ST-2 of IS:5831/ FR /FRLS
Type COLOUR of outer sheath BLACK and any other color as per requirement



Physical Parameters : conforming to IS : 1554 (Part - 1)/1988

Cable Code : (YY/YWY/YFY)		Unarmoured (YY)		Armoured with Flat Strips / Round Wires (YFY/YWY)				Approx. Net Wt of Cable (Kg/KM)		Normal current Rating in Amps.			
No. of Cores	Min. thick of inner sheath	Nom thick of outer sheath	Approx. overall Diameter	Diameter of round wire (Nom.)	Diameter of Flat strip (Nom.)	Min. thick of outer sheath	Approx. overall Diameter	Unarmoured (YY)	Weight of Cable Armoured (Approx)	with general Insulation		with H.R. Insulation	
(Nos.)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg / km)	(kg / km)	Ground	Air	Ground	Air
2	0.30	1.8	12.5	1.40	-	1.24	15.0	215	455	32	27	38	32
3	0.30	1.8	13	1.40	-	1.24	15.5	250	500	27	24	30	28
4	0.30	1.8	14	1.40	-	1.24	16.0	290	575	27	24	30	28
5	0.30	1.8	15	1.40	-	1.24	16.5	320	620	27	24	30	28
6	0.30	1.8	16	1.40	-	1.24	17.5	375	705	21	17	24	21
7	0.30	1.8	16.5	1.40	-	1.24	18.0	400	720	20	17	22	20
8	0.30	1.8	17	1.40	-	1.24	19.5	450	840	19	16	21	18
9	0.30	1.8	19	1.40	-	1.40	19.5	505	800	18	15	20	16
10	0.30	1.8	20	-	4.0x0.8	1.40	20.0	510	825	17	14	19	16
12	0.30	1.8	21	-	4.0x0.8	1.40	21.0	585	900	16	13	18	15
14	0.30	1.8	21.5	-	4.0x0.8	1.40	21.5	660	1010	15	13	17	15
16	0.30	2.0	22.5	-	4.0x0.8	1.40	23.0	750	1075	14	12	16	14
19	0.30	2.0	24	-	4.0x0.8	1.40	24.0	850	1220	13	11	14	13
24	0.30	2.0	27.5	-	4.0x0.8	1.40	27.5	1060	1480	12	10	13	12
27	0.30	2.0	28	-	4.0x0.8	1.40	28.0	1160	1610	12	10	13	12
30	0.30	2.0	29	-	4.0x0.8	1.56	29.0	1260	1740	11	9	12	10
37	0.40	2.0	31.5	-	4.0x0.8	1.56	32.0	1560	2030	11	9	12	10
44	0.40	2.0	35	-	4.0x0.8	1.56	36.0	1860	2425	10	9	11	10
52	0.40	2.2	36.5	-	4.0x0.8	1.56	37.0	2150	2740	9	8	10	10
61	0.40	2.2	38.5	-	4.0x0.8	1.56	40.0	2470	3100	8	8	9	9