

DISTRIBUTORS



One-stop integrated products and solutions provider for all industrial and commercial sourcing needs

8

PRICE-LIST • Dated : 1st January 2023 - W.E.F: 1st January 2023 - LP NO. 8/2022-2023

FR / PVC INSULATED INDUSTRIAL FLEXIBLE CABLE

Polycab FR PVC Insulated Single Core Unsheathed Industrial Flexible Cable conforming to IS 694:2010 with Bright Annealed Copper Conductor for Voltage Grade 1100Volts	Polycab PVC Insulated and PVC Round Sheathed Multi Core BrightAnnealedBareCopperConductorHeavyDutyIndustrial FlexibleCablesforVoltageGrade1100Voltsconformingto IS:694:2010
Rate Per Meter	Rate Per Meter

COND. AREA SQ.MM	COND. CONST. (NO./ DIA.MM.)	AMPS.	SINGLE CORE	PKG.	2 CORE	3 CORE	4 CORE	2 CORE to 4 CORE PKG.	5 CORE	6 CORE
0.50	16/0.20	05	10.40	24	31.25	41.50	52.00	5	67.85	79.85
0.75	24/0.20	08	15.05	24	42.65	56.45	71.35	5	93.35	112.00
1.00	32/0.20	13	19.60	20	52.30	70.60	91.25	5	119.00	144.00
1.50	30/0.25	17	27.80	16	69.25	96.15	128.00	5	168.00	200.00
2.50	50/0.25	24	46.00	12	111.00	152.50	205.00	4	266.00	319.00
4.00	56/0.30	30	70.85	8	167.00	236.00	311.00	1	428.00	515.00
6.00	84/0.3	38	105.00	6	244.00	348.00	453.00	1	625.00	771.00
10.00	80/0.4	52	182.00	1	414.00	593.00	777.00	1	1062.00	1298.00
16.00	126/0.4	70	293.00	1	658.00	947.00	1236.00	-	1647.00	-----
25.00	196/0.4	88	457.00	1	1061.00	1513.00	1992.00	-	2685.00	-----
35.00	276/0.4	110	636.00	1	1464.00	2107.00	2754.00	-	3713.00	-----
50.00	396/0.4	145	900.00	1	2096.00	2794.00	3921.00	-	5398.00	-----
70.00	354/0.5	215	1264.00	1	2920.00	4144.00	5515.00	-	7446.00	-----
95.00	484/0.5	260	1724.00	1	(FRLS) +	6066.00	8127.00	-	-----	-----
120.00	608/0.5	305	2242.00	-	(FRLS) +	7744.00	10203.00	-	-----	-----
150.00	750/0.5	355	2779.00	-	(FRLS) +	9784.00	12899.00	-	-----	-----
185.00	925/0.5	415	3431.00	-	(FRLS) +	11771.00	15616.00	-	-----	-----
240.00	1210/0.5	500	4470.00	-	(FRLS) +	15514.00	20523.00	-	-----	-----
300.00	1527/0.5	585	5575.00	-	(FRLS) +	19292.00	24931.00	-	-----	-----
400.00	2036/0.5	695	7423.00	-	(FRLS) +	25721.00	33260.00	-	-----	-----

PolycabPVCInsulated,PVCRoundSheathedMultiCoreIndustrialFlexibleCablesconformingtoIS694:2010withBright AnnealedCopperConductorforVoltageGrade1100Volts Rate Per Meter

COND. AREA SQ.MM	COND. CONST. (NO./ DIA.MM.)	AMPS.	7 CORE	8 CORE	10 CORE	12 CORE	14 CORE	16 CORE	19 CORE	24 CORE
0.50	16/0.20	05	89.10	104.00	129.00	150.00	177.00	198.00	229.00	291.00
0.75	24/0.20	08	126.00	147.00	182.00	215.00	250.00	283.00	328.00	418.00
1.00	32/0.20	13	160.00	186.00	229.00	271.00	315.00	358.00	424.00	536.00
1.50	30/0.25	17	224.00	262.00	317.00	379.00	440.00	503.00	594.00	748.00
2.50	50/0.25	24	368.00	418.00	524.00	616.00	722.00	825.00	976.00	1222.00
4.00	56/0.30	30	585.00	678.00	-----	-----	-----	-----	-----	-----

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PRICE-LIST • Dated : 1st January 2023 - W.E.F: 1st January 2023 - LP NO. 8/2022-2023

FRLS INSULATED SINGLE CORE UNSHEATHED INDUSTRIAL FLEXIBLE CABLE

Polycab FRLS Insulated Single Core Unsheathed Industrial Flexible Cable conforming to IS 694:2010 with Bright Annealed Copper Conductor for Voltage Grade 1100 Volts. (0.5 SQ.MM. to 95 SQ.MM. 100 Meters Packing)

Rate Per Meter

COND. AREA SQ.MM	COND. CONST. (NO./ DIA.MM.)	AMPS.	SINGLE CORE	PKG.	COND. AREA SQ.MM	COND. CONST. (NO./ DIA.MM.)	AMPS.	SINGLE CORE	PKG.
0.50	16/0.20	05	10.80	24	35.00	276/0.4	110	675.00	1
0.75	24/0.20	08	15.60	24	50.00	396/0.4	145	931.00	1
1.00	32/0.20	13	20.30	20	70.00	354/0.5	215	1308.00	1
1.50	30/0.25	17	28.75	16	95.00	484/0.5	260	1784.00	1
2.50	50/0.25	24	47.65	12	120.00	608/0.5	305	2322.00	1
4.00	56/0.30	30	73.35	8	150.00	750/0.5	355	2875.00	1
6.00	84/0.3	38	109.00	6	185.00	925/0.5	415	3551.00	1
10.00	80/0.4	52	186.00	1	240.00	1210/0.5	500	4628.00	1
16.00	126/0.4	70	304.00	1	300.00	1527/0.5	585	5770.00	1
25.00	196/0.4	88	474.00	1	400.00	2036/0.5	695	7682.00	1

FRLS MULTICORE INDUSTRIAL FLEXIBLE CABLE

Polycab FRLS Insulated Unsheathed Industrial Flexible Cable conforming to IS 694:2010 with Bright Annealed Copper Conductor for Voltage Grade 1100 Volts. (100 Meters Packing)

Rate Per Meter

COND. AREA SQ.MM	COND. CONST. (NO./ DIA.MM.)	AMPS.	2 CORE	3 CORE	4 CORE	PKG.
0.50	16/0.20	05	33.65	44.65	56.00	5
0.75	24/0.20	08	45.80	60.80	76.70	5
1.00	32/0.20	13	56.25	75.96	98.15	5
1.50	30/0.25	17	72.75	100.00	135.00	5
2.50	50/0.25	24	116.00	161.00	217.00	4
4.00	56/0.30	30	175.00	248.00	325.00	-
6.00	84/0.3	38	255.00	364.00	476.00	-
10.00	80/0.4	52	434.00	622.00	816.00	-
16.00	126/0.4	70	691.00	974.00	1320.00	-
25.00	196/0.4	88	1114.00	1589.00	2091.00	-
35.00	276/0.4	110	1537.00	2213.00	2892.00	-
50.00	396/0.4	145	2201.00	3124.00	4117.00	-
70.00	354/0.5	215	3066.00	4352.00	5790.00	-

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POLYCAB INDUSTRIAL COPPER BRAIDED (SCREENED) CABLES

Polycab Annealed Bare Cu Flexible Conductor PVC Insulated, Tinned Cu Braided (Screened) PVC Sheathed Flexible Unarmoured Cables 1100Volts. Rate Per Meter

CORES	SQ. MM.										
	0.5	0.75	1.0	1.5	2.5	4	6	10	16	25	35
2	88.00	107.00	121.00	148.00	226.00	308.00	432.00			-----	-----
3	96.00	132.00	165.00	204.00	300.00	473.00	660.00	1001.00	1513.00	2852.00	3743.00
4	127.00	165.00	201.00	250.00	379.00	578.00	805.00	1347.00	2172.00	3438.00	4748.00
6	171.00	226.00	264.00	357.00	570.00	-----	-----	-----	-----	-----	-----
7	184.00	259.00	300.00	396.00	646.00	-----	-----	-----	-----	-----	-----
8	214.00	308.00	341.00	456.00	674.00	-----	-----	-----	-----	-----	-----
10	270.00	338.00	454.00	572.00	751.00	-----	-----	-----	-----	-----	-----
12	308.00	382.00	487.00	646.00	880.00	-----	-----	-----	-----	-----	-----
14	338.00	454.00	570.00	773.00	1059.00	-----	-----	-----	-----	-----	-----
16	363.00	528.00	641.00	850.00	1246.00	-----	-----	-----	-----	-----	-----
19	432.00	627.00	756.00	1059.00	1609.00	-----	-----	-----	-----	-----	-----
24	522.00	698.00	949.00	1298.00	2016.00	-----	-----	-----	-----	-----	-----

COAXIAL CABLES

Polycab Gas Injected Physical Polyethylene Foam Insulation with Laminated Aluminium Tape and Aluminium Wire Braid, Jelly Flooded PVC Black Jacketed Industrial Coaxial Cables.

SUBMERSIBLE CABLES

Polycab PVC/XLPE Insulated and PVC Sheathed Industrial 3 Core Flat Submersible Cable with Bare Bunched Copper Conductor for Submersible Pump Motors with Voltage Grade 1100 Volts as per IS:694/2010(500Meters packing)

TYPE	UNARMoured		ARMoured
	RATE PER 100 MTR	RATE PER 305 MTR.	RATE PER MTR
RG - 59	2935	8950	-----
RG - 6	3695	11270	108.00
RG - 11	8140	24825	165.00
RG - 06 CCS	2030	6190	-----
RG - 11 CCS	4380	13360	-----

CONDUCTOR AREA SQ. MM.	RATE PER METER
1.50	103.00
2.50	163.00
4.00	237.00
6.00	350.00
10.00	608.00
16.00	938.00
25.00	1500.00
35.00	2058.00

SINGLE CORE INDUSTRIAL CABLE (MULTISTRAND) 90 / 180 / 200 / 300 METER

Polycab FR/FRLS Insulated Single Core Unsheathed Industrial (Multistrand) Cables - Flame Retardant Lead Free (FRLF) / Heat Resistant Flame Retardant Low Smoke Halogen-Lead Free Conforming To IS:694:1990 With Bright Annealed Electrolytic Bare Copper Conductor For Voltage Rate Per Coil

SQ. MM.	AMP.	FR-LF 90 Mtr.	COIL PER BOX	FR-LF POUCH 180 Mtr.	POUCH PER BOX	FR-LF		FRLS-H		COIL PER BOX
						300 Mtr.	200 Mtr.	300 Mtr.	200 Mtr.	
1.00	12	1646	24	3292	12	5940	-----	6115	-----	8
1.50	16	2400	16	4800	10	8740	-----	9000	-----	6
2.50	22	3775	12	7550	6	14185	-----	14620	-----	4
4.00	29	5520	8	11040	4	-----	14365	-----	14805	4
6.00	37	8250	6	16500	3	-----	21490	-----	22135	3
10.00	45	14515	1	-----	----	-----	38225	-----	39355	1
16.00	68	21470	1	-----	----	-----	60000	-----	61775	1

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JELLYFILLED ARMoured TELEPHONE CABLES

NO. OF PAIRS	ARMoured (0.50 MM)
5	158.00
10	252.00
20	367.00
50	791.00
100	1676.00
200	3080.00

SOLAR DC CABLE

ATC Conductor LSOH Outersheath (Type-1) (Black Colour With Red Strip / Black Colour) in Coil of 500 Mtrs.

SIZE IN SQ. MM.	RATE
4	83.45
6	118.50

INDUSTRIAL WELDING CABLES

Polycab Annealed Bare Copper Conductor Flexible Welding Cable Generally Confirming to IS 9857

CONDUCTOR AREA SQ. MM.	CURRENT CARRYING CAPACITY	RATE PER METER
16.00	120	386.00
25.00	160	576.00
35.00	230	808.00
50.00	400	1156.00
70.00	600	1610.00
95.00	700	2178.00
120.00	1100	2696.00

LAN (COMPUTER) CABLES

Polycab Make Solid Copper Conductor, Polyethylene Insulation, twisted Pairs, Lay-up, Ext Grey Fr Outer Sheathed Unarmoured Cable As Per Spec. TIA/EIA 568 B2

TYPE	UNARMoured		ARMoured Rate per MTR
	SPEED & COLOUR	Rate per 305 MTRS	
CAT-5	SPEED 1 GBPS for 250 MHZ GREY COLOUR	13235	----
CAT-6 UTP	SPEED 1 GBPS for 250 MHZ BLUE / YELLOW COLOUR	13905	117.00
CAT-6A UTP	SPEED 10 GBPS for 500 MHZ YELLOW COLOUR	18065	----
CAT-6 FTP	SPEED 1 GBPS for 250 MHZ GREY COLOUR	18890	----

TELEPHONE (SWITCHBOARD) CABLES

Polycab High Conductivity Solid Annealed Bare Copper industrial Telephone (Switchboard) Cables with High Density Polyethylene Insulation, Paired, Polyester and Sheathed with High Oxygen Index, Fire Retardant, PVC Compound, Grey Outer Sheath generally conforming ITD Specification. (Packing: 90 Meters & 500 Meters Coil)

NO. OF PAIRS	RATE PER METER		90 METERS		PKG.
	0.4 MM	0.5 MM	0.4 MM	0.5 MM	
2 PAIR	16.30	23.50	1465.00	2115.00	20
3 PAIR	--	33.35	--	3000.00	20
4 PAIR	--	44.00	--	3960.00	16
5 PAIR	--	55.10	--	4960.00	12
10 PAIR	--	110.00	--	9900.00	8
20 PAIR	--	217.35	--	19560.00	1
50 PAIR	--	544.00	--	--	1
100 PAIR	--	1075.00	--	--	1

CCTV CABLES

SIZE	UNARMoured 90 MTRS	UNARMoured 180 MTRS	UNARMoured 300 MTRS
3 + 1	4265	8530	14217
4 + 1	4665	9330	15550
SIZE	ARMoured RATE PER MTRS		
4 + 1	154.50		

INDUSTRIAL SPEAKER WIRE (OXYGEN FREE)

SPEAKER WIRES (OXYGEN FREE COPPER CONDUCTOR)

SIZE	RATE	SIZE	RATE
23/36	2290.00	23/38	1635.00
40/36	3580.00	40/38	2515.00
70/36	4935.00	70/38	4115.00

SIZE	RATE
1.00 Sq. mm.	4610.00
1.5 Sq. mm.	6340.00
2.5 Sq. mm.	11260.00

SOLID ALUMINIUM CONDUCTOR FLAT SERVICE CABLES

Polycab PVC Insulated and Sheathed Twin Core Flat & Three Core Round Cables 1100 Volts Each Core Having Single Solid Aluminium Conductor Service Cables As Per Is 694

CORES	SQ. MM.	RATE PER METER
2	2.5	51.00
2	4	68.30
2	6	90.40
2	10	132.00

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PRICE-LIST • Dated : 1st January 2023 - W.E.F: 1st January 2023- LP NO. 8/2022-2023

OVERALL SHIELDED-UNARMoured INSTRUMENTATION CABLES

Flexible Bare Copper Conductor PVC Insulated, Cross Laid Up, Overall Aluminium Mylar Tape Shielded along with ATC Drain Wire PVC Outer Sheath Instrumentation Unarmoured Cables

Rate Per Meter

CORES	0.5 SQ.MM.	0.75 SQ.MM.	1.0 SQ.MM.	1.5 SQ.MM.	2.5 SQ.MM.
2	62.00	80.00	92.00	120.00	184.00
3	82.00	102.00	124.00	165.00	260.00
4	95.00	127.00	156.00	209.00	326.00
5	114.00	152.00	190.00	250.00	396.00
6	129.00	174.00	222.00	304.00	475.00
7	143.00	197.00	244.00	340.00	563.00
8	161.00	222.00	279.00	387.00	627.00
10	190.00	264.00	340.00	469.00	759.00
12	226.00	317.00	398.00	563.00	908.00
14	275.00	375.00	444.00	609.00	1000.00
16	310.00	420.00	502.00	692.00	1137.00
19	365.00	492.00	586.00	811.00	1340.00
24	454.00	617.00	736.00	1027.00	1688.00

PRICE-LIST • Dated : 1st DEC 2022 - W.E.F: 1st DEC 2022 - LP NO. 3/2022-2023

OVERALL SHIELDED-ARMoured INSTRUMENTATION CABLES

3

Str/Solid Cu PVC/XLPE Insulated Core/Pair/Triad/Quad laid up together with Al (Inner sheathed GI Steel Wire Mylar/Drain Wire) Round/Strip Armoured PVC Outer Sheathed Instrumentation.

TYPE	No.	SIZE	RATE	SIZE	RATE	SIZE	RATE	SIZE	RATE	SIZE	RATE
PAIR	1	0.5	120	0.75	140	1	156	1.5	186	2.5	256
PAIR	2	0.5	176	0.75	211	1	243	1.5	302	2.5	434
PAIR	3	0.5	211	0.75	264	1	316	1.5	403	2.5	599
PAIR	4	0.5	252	0.75	321	1	387	1.5	507	2.5	760
PAIR	5	0.5	292	0.75	379	1	462	1.5	613	2.5	931
PAIR	6	0.5	337	0.75	440	1	535	1.5	715	2.5	1086
PAIR	8	0.5	414	0.75	550	1	680	1.5	915	2.5	1403
PAIR	10	0.5	496	0.75	654	1	819	1.5	1115	2.5	1712
PAIR	12	0.5	562	0.75	764	1	964	1.5	1306	2.5	2040
PAIR	16	0.5	705	0.75	944	1	1222	1.5	1685	2.5	2639
TRAI	1	0.5	146	0.75	176	1	199	1.5	246	2.5	340

TERMS : (1) All Taxes Extra as applicable. (2) Rates are subject to change without prior notice. (3) This cancels all our previous Price Lists.

OUR BANK DETAILS

Beneficiary Name : Vashi Integrated Solutions Limited.

Bank Name: HDFC Bank Ltd

Branch: Mumbai-Sandoz House

Bank A/C No.: 50200050070484

IFSC Code: HDFC0000240

PRICE-LIST Dated : 1st DEC 2022 - W.E.F.: 1st DEC 2022 - LP NO. 03/2022-2023

PVC/XLPE ARMOURED cables with ALUMINIUM conductor 650/1100 V. grade confirming to IS : 7098 (Part-1) 1988

PVC/XLPE ARMOURED Cables with COPPER Conductor 650/1100 V. Grade confirming to IS : 7098 (Pt-1) 1988

Cross Section in SQ. MM.	ALUMINIUM ARMOURED CABLES				
	1 CORE	2 CORE	3 CORE	3.5 CORE	4 CORE
2.5	-----	131.00	140.00	-----	162.00
4	-----	143.00	162.00	-----	190.00
6	-----	188.00	203.00	-----	243.00
10	-----	236.00	259.00	-----	293.00
16	147.00	241.00	268.00	-----	351.00
25	192.00	281.00	343.00	405.00	430.00
35	228.00	330.00	452.00	488.00	551.00
50	276.00	419.00	582.00	657.00	734.00
70	353.00	587.00	782.00	877.00	999.00
95	392.00	705.00	959.00	1114.00	1223.00
120	474.00	859.00	1219.00	1390.00	1522.00
150	558.00	1077.00	1418.00	1609.00	1813.00
185	683.00	1286.00	1785.00	2065.00	2290.00
240	867.00	1645.00	2275.00	2611.00	2936.00
300	1066.00	2004.00	2813.00	3239.00	3705.00
400	1345.00	2467.00	3627.00	4098.00	4675.00

COPPER ARMOURED CABLES					
NO. OF CORES	1.5 SQ. MM. YWY / YFY	2.5 SQ. MM. YWY / YFY	NO. OF CORES	1.5 SQ. MM. YWY / YFY	2.5 SQ. MM. YWY / YFY
2	161.00	220.00	14	689.00	1076.00
3	195.00	286.00	16	773.00	1222.00
4	241.00	359.00	19	917.00	1465.00
5	288.00	419.00	24	1148.00	1835.00
6	339.00	506.00	27	1243.00	2280.00
7	378.00	553.00	30	1408.00	2649.00
8	487.00	661.00	37	1904.00	3082.00
10	551.00	829.00	44	2367.00	3713.00
12	605.00	952.00	61	3454.00	5286.00

COPPER ARMOURED CABLES			
Cross Section In Sq. Mm.	3 CORE YFY	3.5 Core YFY	4 CORE YFY
25	1996.00	2400.00	2630.00
35	2764.00	3136.00	3636.00
50	3808.00	4409.00	5020.00
70	5374.00	6317.00	7465.00
95	7944.00	9062.00	10388.00
120	9790.00	11964.00	13214.00
150	12144.00	13800.00	15960.00
185	15240.00	17796.00	20244.00
240	19800.00	22896.00	26088.00
300	24564.00	28800.00	33194.00
400	32400.00	37080.00	42480.00

H. T. XLPE ARMOURED ALUMINIUM CABLES **RATE PER METER**

Cond. Cross Section in SQ. MM.	6.6 KV (UE) 11 KV (E)	22 KV (E)	33 KV (E)
3 x 35	1177.00	-----	-----
3 x 50	1384.00	-----	-----
3 x 70	1658.00	-----	-----
3 x 95	1917.00	2658.00	3472.00
3 x 120	2274.00	2950.00	3808.00
3 x 150	2630.00	3370.00	4256.00
3 x 185	3035.00	3763.00	4654.00
3 x 240	3662.00	4547.00	5405.00
3 x 300	4334.00	5152.00	5981.00
3 x 400	5408.00	6104.00	7168.00

NOTE : ROUND WIREARMOURING FOR H.T. CABLES ADD 25% EXTRA ABOVE RATES.

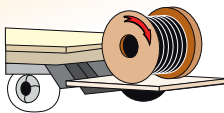
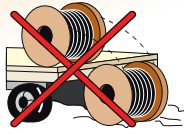
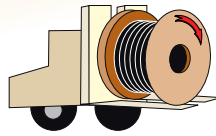

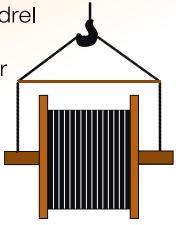

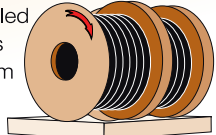

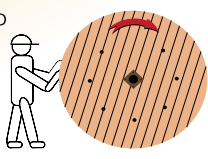
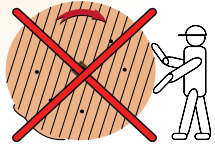
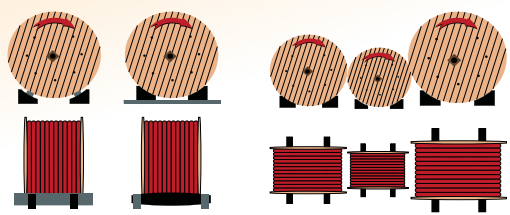
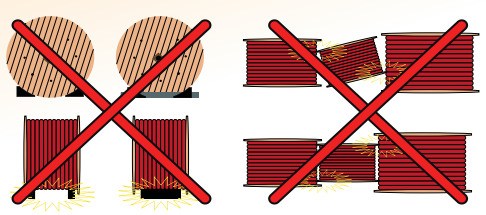
TERMS : (1) All Taxes Extra as applicable. (2) Rates are subject to change without prior notice. (3) This cancels all our previous Price Lists.

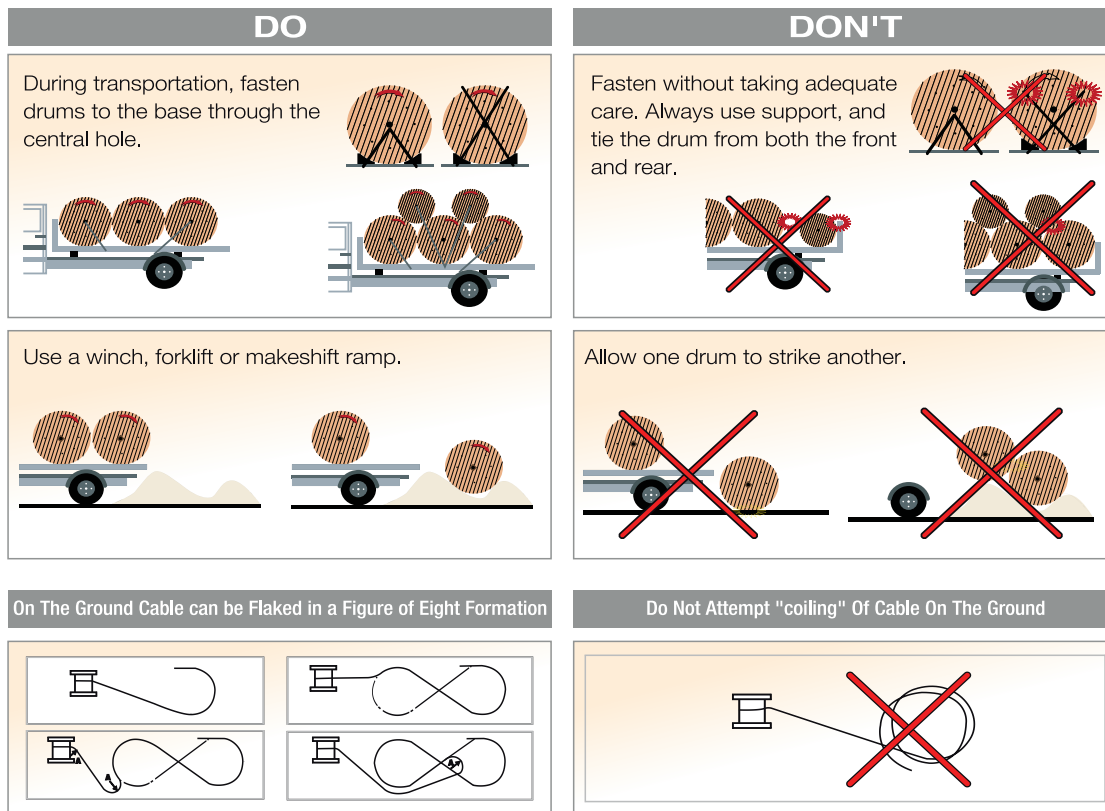


Cable Handling & Storage

- Great care is taken in the manufacturing of cable to ensure quality at every stage.
- Handling of cable at site is the next important factor to ensure that by mishandling the cable, the outer sheath and insulation shall not get damaged.

The handling is generally carried out by unskilled or semi-skilled men, strict supervision should be maintained so that the cables, which can be very easily damaged, is handled with great care.

DO	DON'T
	<p>Never drop reels. If reels must be rolled, roll in opposite direction of the cable wraps to keep cable from loosening on the reel.</p> 
<p>If a forklift is used for handling and shifting the cable drum, the forks shall approach the reel from the flange side. The forks shall be positioned such that the reel is lifted with both reel flanges.</p> 	<p>Do not allow the lift forks to contact the cable. Care must be taken by the forklift operator not to make sudden turns or stops.</p> 
<p>When using a hoist, install a mandrel through the reel arbor holes and attach a sling. Use a spreader bar approximately 6 inches longer than the overall reel width placed between the sling ends just above the reel flanges.</p> 	<p>This may lead to the bending of the reel flanges and mashing the cable.</p> 
<p>It is always safer to use a strong and well-drained surface for storing drums. If possible, the drums should be raised from the ground by the insertion of wooden planks, etc, below and on both sides of the drums: some check pieces should be placed so as not to allow the drums to be rolled loosely and easily. Cable drums should also be stored away from the direct sun and rains. Reason: Direct sunrays can cause deterioration due to UV rays and rain can cause damage to wooden drum, resulting drum collapse after few months.</p> 	<p>Multiple reels stacked on top of each other ("Pancake" storage) is not recommended for cable drums. The weight of the stack can total thousands of kgs. creating an enormous load on the bottom reel. Also, damage to the reel and/or cable will likely occur when the reel is flipped for transit. A concentration of stress on the reel flange may cause it to break and subsequently damage the cable.</p> 
<p>Always use proper stoppers to prevent the drum from rolling.</p> 	<p>When rolling in the direction of the arrow, never roll for more than 5 metres. Otherwise the cable may become unfit for use.</p> 
<p>Ensure stoppers for every drum, to prevent mishaps during storage. Place the wedges by the flanges/full width of the drum</p> 	<p>Allow the drums to roll at any cost. Stack the drums on non-triangular/non-square wedges.</p> 



INSTALLATION & LAYING

Unreeling (Cable Pulling)

- For unreeling cable from a drum it should be mounted on cable jack. The drum should be lifted above the ground with clearance of 50-100 mm so that while unreeling the drum flanges should not touch the ground and get damaged.
- The drum should never be kept flat on its side on the ground and the cable unreeled in coil from the same. This invariably leads to Kinking and bird-caging.
- "Bird-Caging" is a defect caused due to twist of cable during wrong unreeling. It results outersheath crack or cuts and armour swelling. Photograph of birdcaging.



- The technique of pulling cables is also an important, Sub-standard and haphazard handling can cause damage to the cable which may weaken the cable components, and cause a failure in due course. Care must be taken to select a suitable position for the cable drum jacks in order to ensure that the drum may be raised and rotated with full safety. The jacks should therefore be placed on a firm support of thick boards.
- Care should be taken to exert a steady pull avoiding any jerks. Twisting or kinking of cable is very dangerous as this may cause damage to the small size of cable conductors, insulation and sheath, shifting and knife-edging of the armouring and damage to the serving, etc. Care should be taken to avoid short bends and consequent straining of conductors.
- Proper handling of cables is very important both for safety as well as long life of the installation.
- The most common causes of cable failure are due to mishandling of the product at installation stage
- This can be prevented by unwinding the cable by loading the drum on jacks & pulling in the proper direction with stocking or pulling eye.
- For pulling longer lengths and higher diameter of cables Pulling Eyes can be used..
- In case of smaller lengths, pulling is carried out by manual labour and when the length is longer by means of winches or other mechanical means.
- While pulling with a rope, care is necessary to avoid bending of the cable a close watch should be maintained to ensure the cable runs freely over the cable rollers and passes smoothly without rubbing against any surface.