



One Stop Integrated Sourcing & Procurement Partner For All Industrial & Commercial Products

# 10

PRICE-LIST • Dated : 3rd February 2023 - W.E.F: 3rd February 2023 - LP NO. 10/2022-2023

## 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

Rate Per Meter

Polycab PVC Insulated and PVC Round Sheathed Multi Core BrightAnnealedBareCopperConductorHeavyDutyIndustrial FlexibleCablesforVoltageGrade1100Voltsconformingto IS:694:2010

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	11.20	24	33.30	44.25	55.40	5	72.35	85.10
0.75	24/0.20	08	16.20	24	45.50	60.15	76.05	5	99.50	119.25
1.00	32/0.20	13	20.95	20	55.70	75.25	97.25	5	127.00	153.25
1.50	30/0.25	17	29.95	16	73.80	102.50	136.00	5	179.00	213.00
2.50	50/0.25	24	49.50	12	119.00	162.50	218.00	4	283.00	340.00
4.00	56/0.30	30	75.90	8	178.00	252.00	332.00	1	456.00	549.00
6.00	84/0.3	38	112.00	6	260.00	370.50	483.00	1	666.00	822.00
10.00	80/0.4	52	194.00	1	442.00	632.00	828.00	1	1132.00	1383.00
16.00	126/0.4	70	312.00	1	698.00	1004.00	1311.00	-	1746.00	-----
25.00	196/0.4	88	485.00	1	1125.00	1605.00	2113.00	-	2847.00	-----
35.00	276/0.4	110	680.00	1	1552.00	2234.00	2921.00	-	3938.00	-----
50.00	396/0.4	145	961.00	1	2223.00	3154.00	4158.00	-	5725.00	-----
70.00	354/0.5	215	1350.00	1	3097.00	4395.00	5849.00	-	7896.00	-----
95.00	484/0.5	260	1853.00	1	(FRLS) +	6433.00	8618.00	-	-----	-----
120.00	608/0.5	305	2401.00	-	(FRLS) +	8212.00	10820.00	-	-----	-----
150.00	750/0.5	355	2963.00	-	(FRLS) +	10376.00	13679.00	-	-----	-----
185.00	925/0.5	415	3668.00	-	(FRLS) +	12484.00	16561.00	-	-----	-----
240.00	1210/0.5	500	4764.00	-	(FRLS) +	16453.00	21764.00	-	-----	-----
300.00	1527/0.5	585	5987.00	-	(FRLS) +	20460.00	26440.00	-	-----	-----
400.00	2036/0.5	695	8051.00	-	(FRLS) +	27277.00	35272.00	-	-----	-----

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	95.00	111.00	137.00	160.00	189.00	211.00	244.00	311.00
0.75	24/0.20	08	134.00	156.00	194.00	229.00	267.00	301.00	349.00	446.00
1.00	32/0.20	13	171.00	198.00	244.00	289.00	336.00	382.00	452.00	571.00
1.50	30/0.25	17	239.00	279.00	338.00	404.00	469.00	536.00	633.00	797.00
2.50	50/0.25	24	392.00	446.00	558.00	657.00	769.00	879.00	1040.00	1302.00
4.00	56/0.30	30	623.00	723.00	-----	-----	-----	-----	-----	-----

DISTRIBUTORS



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# 10

PRICE-LIST • Dated : 3rd February 2023 - W.E.F: 3rd February 2023 - LP NO. 10/2022-2023

## 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	11.60	24	35.00	276/0.4	110	702.00	1
0.75	24/0.20	08	16.80	24	50.00	396/0.4	145	995.00	1
1.00	32/0.20	13	21.65	20	70.00	354/0.5	215	1397.00	1
1.50	30/0.25	17	30.95	16	95.00	484/0.5	260	1918.00	1
2.50	50/0.25	24	51.30	12	120.00	608/0.5	305	2487.00	1
4.00	56/0.30	30	78.55	8	150.00	750/0.5	355	3066.00	1
6.00	84/0.3	38	116.00	6	185.00	925/0.5	415	3796.00	1
10.00	80/0.4	52	198.00	1	240.00	1210/0.5	500	4932.00	1
16.00	126/0.4	70	323.00	1	300.00	1527/0.5	585	6197.00	1
25.00	196/0.4	88	503.00	1	400.00	2036/0.5	695	8332.00	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	35.90	47.60	59.70	5
0.75	24/0.20	08	48.80	64.80	81.75	5
1.00	32/0.20	13	59.95	80.95	104.50	5
1.50	30/0.25	17	77.55	106.50	144.00	5
2.50	50/0.25	24	124.00	171.50	231.50	4
4.00	56/0.30	30	187.00	264.00	346.00	-
6.00	84/0.3	38	272.00	388.00	508.00	-
10.00	80/0.4	52	463.00	663.00	870.00	-
16.00	126/0.4	70	733.00	1033.00	1400.00	-
25.00	196/0.4	88	1182.00	1685.00	2218.00	-
35.00	276/0.4	110	1630.00	2347.00	3067.00	-
50.00	396/0.4	145	2334.00	3313.00	4366.00	-
70.00	354/0.5	215	3251.00	4616.00	6141.00	-

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## POLYCARB 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	95.00	115.00	131.00	160.00	244.00	333.00	468.00	-----	-----	-----	-----
3	111.00	143.00	178.00	220.00	324.00	512.00	714.00	1083.00	1637.00	3085.00	4048.00
4	137.00	178.00	217.00	271.00	410.00	625.00	870.00	1456.00	2349.00	3718.00	5146.00
6	185.00	244.00	285.00	386.00	617.00	-----	-----	-----	-----	-----	-----
7	199.00	280.00	324.00	428.00	698.00	-----	-----	-----	-----	-----	-----
8	232.00	333.00	369.00	493.00	729.00	-----	-----	-----	-----	-----	-----
10	293.00	366.00	491.00	619.00	813.00	-----	-----	-----	-----	-----	-----
12	333.00	413.00	526.00	698.00	952.00	-----	-----	-----	-----	-----	-----
14	366.00	491.00	617.00	836.00	1145.00	-----	-----	-----	-----	-----	-----
16	392.00	571.00	693.00	920.00	1347.00	-----	-----	-----	-----	-----	-----
19	468.00	678.00	818.00	1145.00	1740.00	-----	-----	-----	-----	-----	-----
24	564.00	755.00	1026.00	1404.00	2181.00	-----	-----	-----	-----	-----	-----

## 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.

TYPE	UNARMOURED		ARMOURED
	RATE PER 100 MTR	RATE PER 305 MTR.	RATE PER MTR
RG - 59	3080	9395	-----
RG - 6	3880	11835	114.00
RG - 11	8545	26060	173.00
RG - 06 CCS	2130	6500	-----
RG - 11 CCS	4600	14030	-----

## 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(500Meterspacking)

CONDUCTOR AREA SQ. MM.	RATE PER METER
1.50	108.00
2.50	171.00
4.00	249.00
6.00	368.00
10.00	638.00
16.00	985.00
25.00	1575.00
35.00	2161.00

## 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	1780	24	3560	12	6275	-----	6460	-----	8
1.50	16	2596	16	5192	10	9225	-----	9500	-----	6
2.50	22	4085	12	8170	6	14975	-----	15435	-----	4
4.00	29	5970	8	11940	4	-----	15165	-----	15630	4
6.00	37	8925	6	17850	3	-----	22690	-----	23370	3
10.00	45	15695	1	-----	---	-----	40355	-----	41545	1
16.00	68	23220	1	-----	---	-----	63340	-----	65220	1

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# 10

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## JELLY FILLED ARMoured TELEPHONE CABLES

NO. OF PAIRS	ARMoured (0.50 MM)
5	161.00
10	257.00
20	374.00
50	807.00
100	1710.00
200	3142.00

## 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	90.25
6	128.25

## 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	417.00
25.00	160	623.00
35.00	230	873.00
50.00	400	1250.00
70.00	600	1742.00
95.00	700	2356.00
120.00	1100	2916.00

## 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	13900	----
CAT-6 UTP	SPEED 1 GBPS for 250 MHZ BLUE / YELLOW COLOUR	14600	123.00
CAT-6A UTP	SPEED 10 GBPS for 500 MHZ YELLOW COLOUR	18970	----
CAT-6 FTP	SPEED 1 GBPS for 250 MHZ GREY COLOUR	19835	----

## 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 to 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	17.10	24.65	1540.00	2220.00	20
3 PAIR	--	35.00	--	3150.00	20
4 PAIR	--	46.25	--	4160.00	16
5 PAIR	--	57.90	--	5210.00	12
10 PAIR	--	115.50	--	10395.00	8
20 PAIR	--	228.25	--	20540.00	1
50 PAIR	--	571.00	--	--	1
100 PAIR	--	1129.00	--	--	1

## CCTV CABLES

SIZE	UNARMoured 90 MTRS	UNARMoured 180 MTRS	UNARMoured 300 MTRS
3 + 1	4480	8960	14934
4 + 1	4900	9800	16334
SIZE	ARMoured RATE PER MTRS		
4 + 1	162.00		

## INDUSTRIAL SPEAKER WIRE (OXYGEN FREE)

SPEAKER WIRES (OXYGEN FREE COPPER CONDUCTOR)

SIZE	RATE	SIZE	RATE
23/36	2405.00	23/38	1720.00
40/36	3760.00	40/38	2640.00
70/36	5185.00	70/38	4320.00

SIZE	RATE
1.00 Sq. mm.	4840.00
1.5 Sq. mm.	6660.00
2.5 Sq. mm.	11825.00

## 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	58.90
2	4	78.90
2	6	104.50
2	10	152.25

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10

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### 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	67.00	86.00	100.00	129.00	199.00
3	88.00	110.00	134.00	179.00	281.00
4	103.00	138.00	168.00	226.00	352.00
5	124.00	165.00	205.00	271.00	428.00
6	141.00	189.00	241.00	328.00	515.00
7	155.00	213.00	265.00	367.00	608.00
8	174.00	241.00	302.00	419.00	678.00
10	205.00	285.00	367.00	506.00	822.00
12	244.00	343.00	431.00	608.00	981.00
14	282.00	406.00	509.00	711.00	-----
16	311.00	449.00	561.00	785.00	-----
19	360.00	493.00	684.00	920.00	-----
24	452.00	643.00	828.00	1182.00	-----

PRICE-LIST • Dated : 1st February 2023 - W.E.F: 3rd February 2023 - LP NO. 4/2022-2023

### OVERALL SHIELDED-ARMoured INSTRUMENTATION CABLES

4

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								
PAIR	1	0.5	124	0.75	144	1	161	1.5	192	2.5	264
PAIR	2	0.5	181	0.75	217	1	250	1.5	311	2.5	447
PAIR	3	0.5	217	0.75	272	1	325	1.5	415	2.5	617
PAIR	4	0.5	260	0.75	331	1	399	1.5	522	2.5	783
PAIR	5	0.5	301	0.75	390	1	476	1.5	631	2.5	959
PAIR	6	0.5	347	0.75	453	1	551	1.5	736	2.5	1119
PAIR	8	0.5	426	0.75	567	1	700	1.5	942	2.5	1445
PAIR	10	0.5	511	0.75	674	1	844	1.5	1148	2.5	1763
PAIR	12	0.5	579	0.75	787	1	993	1.5	1345	2.5	2101
PAIR	16	0.5	726	0.75	972	1	1259	1.5	1736	2.5	2718
TRAIID	1	0.5	150	0.75	181	1	205	1.5	253	2.5	350

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

DISTRIBUTORS



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4

**PRICE-LIST** Dated : 1st February 2023 - W.E.F.: 3rd February 2023 - LP NO. 04/2022-2023

**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	-----	139.00	148.00	-----	172.00
4	-----	152.00	172.00	-----	202.00
6	-----	199.00	215.00	-----	258.00
10	-----	251.00	274.00	-----	311.00
16	156.00	255.00	284.00	-----	372.00
25	203.00	298.00	364.00	429.00	456.00
35	242.00	349.00	479.00	530.00	600.00
50	292.00	444.00	620.00	710.00	778.00
70	374.00	622.00	829.00	960.00	1058.00
95	416.00	747.00	1035.00	1200.00	1340.00
120	502.00	910.00	1292.00	1473.00	1660.00
150	591.00	1142.00	1530.00	1730.00	1980.00
185	724.00	1363.00	1920.00	2189.00	2427.00
240	919.00	1744.00	2455.00	2810.00	3220.00
300	1130.00	2125.00	3040.00	3434.00	4060.00
400	1426.00	2615.00	3940.00	4390.00	5160.00

NO. OF CORES	1.5 SQ. MM.		NO. OF CORES	2.5 SQ. MM.	
	YWY / YFY	YFY / YFY		YWY / YFY	YFY / YFY
2	177.00	243.00	14	758.00	1184.00
3	215.00	315.00	16	850.00	1344.00
4	265.00	395.00	19	1009.00	1611.00
5	317.00	469.00	24	1263.00	2018.00
6	373.00	556.00	27	1392.00	2508.00
7	416.00	631.00	30	1549.00	2914.00
8	536.00	727.00	37	2094.00	3390.00
10	606.00	912.00	44	2603.00	4084.00
12	665.00	1047.00	61	3799.00	5815.00

Cross Section In Sq. Mm.	COPPER ARMOURED CABLES		
	3 CORE YFY	3.5 Core YFY	4 CORE YFY
25	2235.00	2688.00	2945.00
35	3096.00	3512.00	4072.00
50	4265.00	4939.00	5622.00
70	6019.00	7075.00	8361.00
95	8897.00	10150.00	11635.00
120	10964.00	13400.00	14800.00
150	13601.00	15456.00	17875.00
185	17069.00	19932.00	22673.00
240	22176.00	25644.00	29219.00
300	27512.00	32256.00	37178.00
400	36288.00	41530.00	47578.00

Cross Section in SQ. MM.	COPPER ARMOURED CABLES				
	2 CORE YWY/YFY	3 CORE YWY/YFY	4 CORE YWY/YFY	5 CORE YWY/YFY	6 CORE YWY/YFY
4	330.00	442.00	557.00	788.00	971.00
6	451.00	611.00	788.00	1085.00	1308.00
10	718.00	982.00	1290.00	1814.00	-----
16	1000.00	1468.00	1890.00	2701.00	-----

**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	1248.00	-----	-----
3	x 50	1467.00	-----	-----
3	x 70	1757.00	-----	-----
3	x 95	2032.00	2817.00	3680.00
3	x 120	2410.00	3127.00	4036.00
3	x 150	2788.00	3527.00	4511.00
3	x 185	3217.00	3989.00	4933.00
3	x 240	3882.00	4820.00	5729.00
3	x 300	4594.00	5461.00	6340.00
3	x 400	5733.00	6470.00	7598.00

**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.

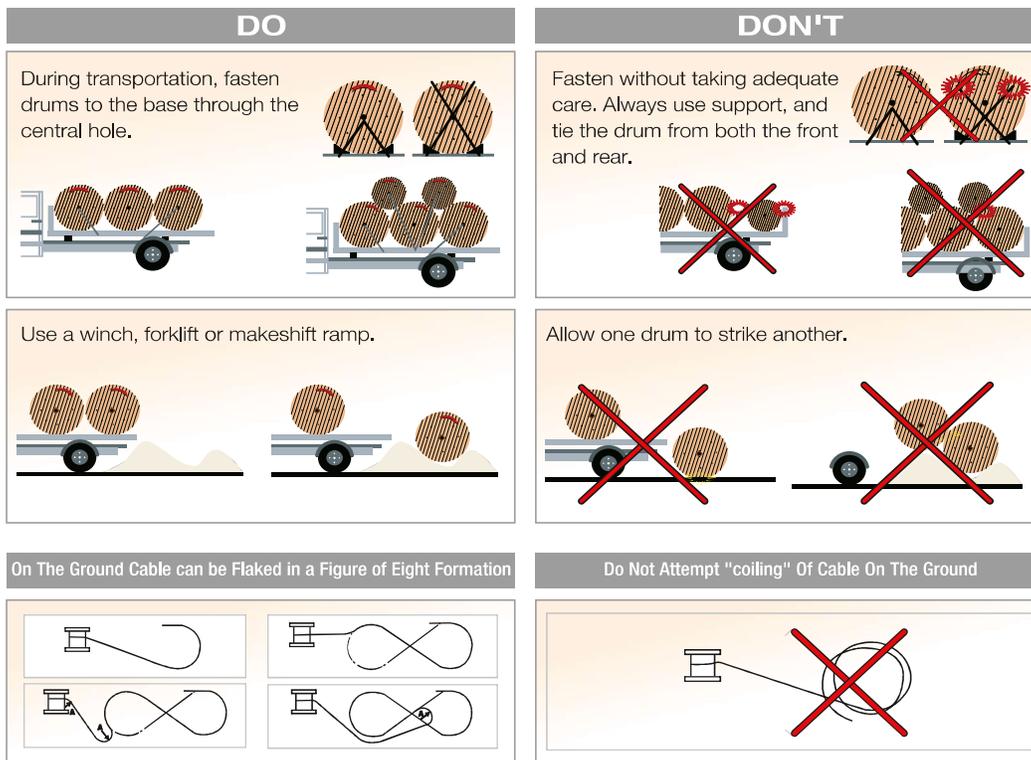


### Cable Handling & Storage

- 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.