

PRICE-LIST • Dated : 24th JUNE 2025 • W.E.F. : 26th JUNE 2025 • LP NO. 03/2025-26

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 1100 Volts
Rate Per Meter

COND. AREA SQ.MM	COND. CONST. (NO./ DIA.MM)	AMPS.	SINGLE CORE	PKG.
0.50	16/0.20	05	14.80	24
0.75	24/0.20	08	20.75	24
1.00	32/0.20	13	26.45	20
1.50	30/0.25	17	38.05	16
2.50	50/0.25	24	62.60	12
4.00	56/0.30	30	96.10	8
6.00	84/0.3	38	144.00	6
FRLS SINGLE CORE FLEXIBLE CABLE				PKG.
10.00	80/0.4	52	258.00	1
16.00	126/0.4	70	399.00	1
25.00	196/0.4	88	625.00	1
35.00	276/0.4	110	874.00	1
50.00	396/0.4	145	1243.00	1
70.00	354/0.5	215	1762.00	1
95.00	484/0.5	260	2324.00	1
120.00	608/0.5	305	2989.00	-
150.00	750/0.5	355	3747.00	-
185.00	925/0.5	415	4747.00	-
240.00	1210/0.5	500	6083.00	-
300.00	1527/0.5	585	7613.00	-
400.00	2036/0.5	695	10143.00	-

Polycab PVC Insulated and PVC Round Sheathed Multi Core Bright Annealed Bare Copper Conductor Heavy Duty Industrial Flexible Cables for Voltage Grade 1100 Volts conforming to IS:694:2010
Rate Per Meter

2 Core	3 Core	4 Core	2 CORE to 4 CORE PKG.	5 Core	6 Core
				FRLS	FRLS
37.70	51.70	66.15	5	84.85	101.50
50.40	70.00	90.00	5	120.00	145.00
64.15	89.00	115.10	5	154.50	186.00
87.10	125.25	162.25	5	211.15	257.00
144.00	198.00	267.00	4	343.00	415.00
211.00	304.00	405.00	1	544.00	651.00
311.00	448.00	594.00	1	801.00	962.00
				FRLS	FRLS
531.00	782.00	1031.00	1	1382.00	-----
839.00	1227.00	1620.00	-	2123.00	-----
1399.00	2035.00	2658.00	-	3854.00	-----
1948.00	2828.00	3717.00	-	5283.00	-----
2763.00	4028.00	5320.00	-	7648.00	-----
3927.00	5588.00	7387.00	-	10459.00	-----
FRLS MULTICORE FLEXIBLE CABLE					
-----	8077.00	10655.00	-	-----	-----
-----	10256.00	13536.00	-	-----	-----
-----	12821.00	16923.00	-	-----	-----
-----	15789.00	20869.00	-	-----	-----
-----	20382.00	26979.00	-	-----	-----
-----	25433.00	33679.00	-	-----	-----
-----	33887.00	44609.00	-	-----	-----

Polycab PVC Insulated, **FRLS** Round Sheathed MultiCore Industrial Flexible Cables conforming to IS694:2010 with Bright Annealed Copper Conductor for Voltage Grade 1100 Volts

(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	114.25	135.00	168.00	197.00	226.00	258.00	298.00	376.00
0.75	24/0.20	08	162.00	191.00	239.00	278.00	327.00	368.00	435.00	543.00
1.00	32/0.20	13	210.00	244.00	303.00	361.00	419.00	477.00	560.00	702.00
1.50	30/0.25	17	289.00	334.00	425.00	501.00	592.00	683.00	793.00	1016.00
2.50	50/0.25	24	476.00	565.00	694.00	834.00	969.00	1107.00	1282.00	1661.00
4.00	56/0.30	30	786.00	-----	-----	-----	-----	-----	-----	-----

PRICE-LIST • Dated : 24th JUNE 2025 • W.E.F. : 26th JUNE 2025 • LP NO. 03/2025-26

**FRLS INSULATED SINGLE CORE UNSHEATHED
INDUSTRIAL FLEXIBLE CABLE**

FRLS MULTICORE INDUSTRIAL FLEXIBLE CABLE

Polycab FRLS Insulated Single Core Unsheathed Industrial Flexible Cable conforming to IS694:2010 with Bright Annealed Copper Conductor for Voltage Grade 1100 Volts. (0.5SQ.MM. to 95SQ.MM. 100 Mtrs PKG.)

Polycab FRLS Insulated Single Core Unsheathed Industrial Flexible Cable conforming to IS694:2010 with Bright Annealed Copper Conductor for Voltage Grade 1100 Volts. (100 Meter Packing.)

Rate Per Meter

Rate Per Meter

COND. AREA SQ.MM	COND. CONST. (NO./DIA.MM)	AMPS.	SINGLE CORE	PKG Single Core	2 Core	3 Core	4 Core	PKG 2-4 CORE
0.50	16/.2	5	15.15	24	40.10	54.05	68.50	6
0.75	24/.2	8	21.30	24	53.45	72.85	92.80	6
1.00	32/.2	13	26.80	20	66.95	92.25	118.25	6
1.50	30/.25	17	38.35	16	90.70	129.00	165.00	6
2.50	50/.25	24	63.50	12	149.00	203.00	273.00	4
4.00	56/.3	30	96.75	8	217.00	311.00	411.00	-
6.00	84/.3	38	146.00	6	319.00	456.00	602.00	-
10.00	80/.4	52	258.00	1	541.00	793.00	1049.00	-
16.00	126/.4	70	399.00	1	861.00	1256.00	1651.00	-
25.00	196/.4	88	625.00	1	1428.00	2075.00	2714.00	-
35.00	276/.4	110	874.00	1	1988.00	2884.00	3797.00	-
50.00	396/.4	145	1243.00	1	2822.00	4108.00	5423.00	-
70.00	354/.5	215	1762.00	1	4005.00	5698.00	7535.00	-

SINGLE CORE INDUSTRIAL CABLE (MULTISTRAND) 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

PRICE-LIST

Dated : 24th JUNE 2025 • W.E.F. : 26th JUNE 2025 • LP NO. 03/2025-26

SQ.MM	AMP.	FR-LF		FRLS-H		GREEN WIRES		COIL PER BOX
		300 Mtr.	200 Mtr.	300 Mtr.	200 Mtr.	300 Mtr.	200 Mtr.	
1.00	12	8040	-----	8275	-----	8410	-----	8
1.50	16	11840	-----	12195	-----	12365	-----	6
2.50	22	19210	-----	19800	-----	20090	-----	4
4.00	29	-----	19785.00	-----	20385	-----	20670	4
6.00	37	-----	29600.00	-----	30495	-----	30950	3
10.00	45	-----	51885.00	-----	53405	-----	54195	1
16.00	68	-----	82260.00	-----	84680	-----	85920	1

PRICE-LIST • Dated : 24th JUNE 2025 • W.E.F. : 26th JUNE 2025 • LP NO. 03/2025-26

POLYCAB INDUSTRIAL COPPER BRAIDED (SCREENED) CABLES

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

Rate Per Meter

CORES	SQ.MM										
	0.5	0.75	1.0	1.5	2.5	4	6	10	16	25	35
2	112.00	138.00	156.00	189.00	285.00	424.00	549.00	-	-	-	-
3	131.00	172.00	210.00	260.00	381.00	600.00	839.00	1339.00	1923.00	3620.00	4753.00
4	162.00	210.00	256.00	319.00	481.00	733.00	1021.00	1710.00	2758.00	4364.00	6043.00
6	217.00	294.00	335.00	454.00	725.00	-	-	-	-	-	-
7	234.00	328.00	381.00	502.00	819.00	-	-	-	-	-	-
8	272.00	391.00	433.00	579.00	855.00	-	-	-	-	-	-
10	345.00	431.00	576.00	727.00	956.00	-	-	-	-	-	-
12	391.00	487.00	618.00	819.00	1118.00	-	-	-	-	-	-
14	431.00	576.00	725.00	981.00	1344.00	-	-	-	-	-	-
16	461.00	671.00	814.00	1083.00	1583.00	-	-	-	-	-	-
19	549.00	795.00	960.00	1344.00	2043.00	-	-	-	-	-	-
24	663.00	888.00	1205.00	1647.00	2561.00	-	-	-	-	-	-

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	74.00	94.00	113.00	148.00	230.00
3	91.00	124.00	150.00	199.00	318.00
4	113.00	150.00	191.00	267.00	401.00
5	140.00	186.00	227.00	309.00	506.00
6	160.00	211.00	264.00	373.00	605.00
7	175.00	248.00	306.00	420.00	718.00
8	199.00	267.00	341.00	470.00	801.00
10	236.00	332.00	420.00	580.00	979.00
12	279.00	388.00	496.00	687.00	1202.00
14	325.00	454.00	573.00	791.00	-----
16	366.00	509.00	644.00	914.00	-----
19	420.00	605.00	762.00	1061.00	-----
24	520.00	745.00	941.00	1355.00	-----

SOLAR DC CABLE

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

SIZE IN SQ. MM.	RATE
4	111.00
6	164.00

**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	80.30
2	4	107.15
2	6	142.25
2	10	207.00

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	CONDUCTOR AREA SQ.MM.	CURRENT CARRYING CAPACITY	RATE PER METER
16.00	120	475.00	70.00	600	2061.00
25.00	160	743.00	95.00	700	2715.00
35.00	230	1026.00	120.00	1100	3474.00
50.00	400	1458.00	-----	-----	-----

PRICE-LIST • Dated : 24th JUNE 2025 • W.E.F. : 26th JUNE 2025 • LP NO. 03/2025-26

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
	SPEED & COLOUR	Rate per 305 MTRS	RATE PER MTR
CAT-5	SPEED 1 GBPS for 250 MHZ GREY COLOUR	13110.00	-----
CAT-6 UTP	SPEED 1 GBPS for 250 MHZ Blue / Yellow COLOUR	13780.00	121.46
CAT-6A UTP	SPEED 1 GBPS for 250 MHZ GREY COLOUR	16780.00	-----
CAT-6 FTP	SPEED 1 GBPS for 250 MHZ GREY COLOUR	21775.00	-----

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.

NO. OF PAIRS	RATE PER METER		90 METERS		PKG.
	0.4 MM	0.5 MM	0.4 MM	0.5 MM	
2 PAIR	14.65	20.75	1325.00	1870.00	20
3 PAIR	---	30.80	---	2765.00	16
4 PAIR	---	40.60	---	3655.00	12
5 PAIR	---	50.35	---	4535.00	8
10 PAIR	---	97.90	---	8810.00	1
20 PAIR	---	189.40	---	17005.00	1
50 PAIR	---	491.30	---	---	1
1000 PAIR	---	961.00	---	---	1

COAXIAL CABLES

Polycab PVC/Xlpe Insulated and PVC Sheathed Industrial 3Core Flat 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	2495.00	7600.00	-----
RG - 6	3125.00	9590.00	103.21
RG - 11	7140.00	21835.00	161.09
RG - 06 CCS	2025.00	6170.00	-----
RG - 11 CCS	4090.00	12465.00	-----

INDUSTRIAL SPEAKER WIRE (OXYGEN FREE)

SPEAKER WIRES (OXYGEN FREE COPPER CONDUCTOR)

SIZE	RATE	SIZE	RATE
23/36	2045.00	23/38	1390.00
40/36	3135.00	40/38	2305.00
70/36	4255.00	70/38	3120.00

SIZE	RATE
1.00 SQ. MM.	3725.00
1.50 SQ. MM.	5540.00
2.50 SQ. MM.	9195.00

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 (500 Meters Packing)

CONDUCTOR AREA SQ. MM.	RATE PER METER
1.50	103.10
2.50	159.95
4.00	239.35
6.00	354.30
10.00	615.95
16.00	955.85
25.00	1495.55
35.00	2071.35

CCTV CABLES

SIZE	UNARMOURED 90 MTRS	UNARMOURED 180 MTRS	UNARMOURED 300 MTRS
3 + 1	4140.00	8280.00	13800.00
4 + 1	4500.00	9000.00	15000.00
SIZE	ARMOURED RATE PER MTRS		
4 + 1	141.83		

* OUR BANK DETAILS *

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 July 2025 • W.E.F. : 2nd July 2025 • LP NO. 01/2025-26

POLYCAB COPPER ARMoured CABLES

RATE PER METER

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

NO. OF CORES	1.5 SQ. MM. 2XWY / 2XFY	2.5 SQ. MM. 2XWY / 2XFY	CROSS SECTION IN SQ. MM.	2 CORE	3 CORE	3.5 CORE	4 CORE	5 CORE	6 CORE
2	229.00	324.00	4	450.00	603.00	-----	773.00	1133.00	1427.00
3	292.00	418.00	6	634.00	870.00	-----	1137.00	1647.00	2013.00
4	360.00	540.00	10	1007.00	1415.00	-----	1848.00	2505.00	-----
5	438.00	663.00	16	1494.00	2070.00	-----	2734.00	3594.00	-----
6	521.00	780.00	25	2454.00	3350.00	4015.00	4416.00	6407.00	-----
7	574.00	880.00	35	3363.00	4718.00	5389.00	6265.00	8675.00	-----
8	734.00	1074.00	50	4392.00	6378.00	7507.00	8500.00	11879.00	-----
10	835.00	1236.00	70	6524.00	9313.00	10780.00	12270.00	18687.00	-----
12	928.00	1436.00	95	-----	12913.00	14787.00	17044.00	-----	-----
14	1063.00	1670.00	120	-----	15834.00	19447.00	21237.00	-----	-----
16	1188.00	1897.00	150	-----	20137.00	23525.00	26976.00	-----	-----
19	1409.00	2234.00	185	-----	25596.00	29948.00	34190.00	-----	-----
24	1763.00	2796.00	240	-----	33249.00	38656.00	44106.00	-----	-----
			300	-----	41906.00	48463.00	56084.00	-----	-----
			400	-----	53824.00	61252.00	74979.00	-----	-----

POLYCAB ALUMINIUM ARMoured CABLES

RATE PER METER

PVC/XLPE ARMoured Cables with ALUMINIUM Conductor 650/1100 V. Grade Confirming to IS:7098 (Pt-1) 1988.

CROSS SECTION IN SQ. MM.	1 CORE	2 CORE	3 CORE	3.5 CORE	4 CORE
2.5	-----	191.00	213.00	-----	237.00
4	-----	217.00	233.00	-----	271.00
6	-----	263.00	287.00	-----	343.00
10	-----	333.00	371.00	-----	472.00
16	214.00	379.00	399.00	-----	504.00
25	282.00	405.00	531.00	617.00	660.00
35	341.00	504.00	675.00	750.00	855.00
50	420.00	653.00	878.00	1016.00	1142.00
70	538.00	874.00	1204.00	1369.00	1552.00
95	645.00	1080.00	1483.00	1717.00	1935.00
120	748.00	1289.00	1860.00	2151.00	2430.00
150	891.00	1585.00	2284.00	2549.00	2988.00
185	1095.00	1905.00	2827.00	3227.00	3675.00
240	1353.00	2526.00	3610.00	4053.00	4746.00
300	1665.00	3096.00	4461.00	4986.00	5850.00
400	2103.00	4020.00	5702.00	6369.00	7302.00

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

PRICE-LIST • Dated : 1st July 2025 • W.E.F. : 2nd July 2025 • LP NO. 01/2025-26

POLYCAB H.T. XLPE ARMoured ALUMINIUM CABLES

"POLYCAB" Brand Stranded Compact Circular Aluminium Conductor, Conductor Screen With Extruded Semi Conducting Compound, XLPE Insulated, Insulation Screening with extruded Semi Conducing Compound in combination with Copper Tape, cores laid up, innersheath of PVC tape, galvanised flat steel strip armoured and overall PVC Sheathed Cable conforming to IS 7098/ (PART-II) 1985 with latest amendments.

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	1650.00	-----	-----
3 X 50	1972.00	-----	-----
3 X 70	2403.00	-----	-----
3 X 95	2726.00	3760.00	4981.00
3 X 120	3291.00	4224.00	5616.00
3 X 150	3855.00	4845.00	6036.00
3 X 185	4395.00	5469.00	6739.00
3 X 240	5326.00	6456.00	7959.00
3 X 300	6299.00	7570.00	8985.00
3 X 400	7882.00	9180.00	10891.00

NOTE : ROUND WIRE ARMOURING FOR H.T. CABLES ADD 25% EXTRA IN ABOVE RATES.

PRICE-LIST • Dated : 1st JULY 2025 • W.E.F. : 2nd JULY 2025

OVERALL SHIELDED-ARMoured INSTRUMENTATION CABLES

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

RATE PER METER

TYPE	NO.	SIZE	RATE	SIZE	RATE	SIZE	RATE	SIZE	RATE	SIZE	RATE
PAIR	1	0.5	141	0.75	164	1	183	1.5	218	2.5	299
PAIR	2	0.5	206	0.75	247	1	285	1.5	354	2.5	507
PAIR	3	0.5	247	0.75	310	1	369	1.5	471	2.5	700
PAIR	4	0.5	295	0.75	376	1	454	1.5	592	2.5	889
PAIR	5	0.5	345	0.75	446	1	546	1.5	723	2.5	1100
PAIR	6	0.5	398	0.75	519	1	632	1.5	843	2.5	1283
PAIR	8	0.5	489	0.75	650	1	802	1.5	1080	2.5	1657
PAIR	10	0.5	586	0.75	772	1	968	1.5	1317	2.5	2021
PAIR	12	0.5	664	0.75	902	1	1139	1.5	1542	2.5	2409
PAIR	16	0.5	833	0.75	1114	1	1444	1.5	1990	2.5	3115
TRIAD	1	0.5	171	0.75	206	1	232	1.5	288	2.5	398

LP NO.01/2025-26

1

JELLYFILLED ARMoured TELEPHONE CABLES

RATE PER METER

NO. OF PAIRS	ARMoured (0.50 MM)
5	179
10	286
20	417
50	898
100	1906
200	3500

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.

Bank A/C No.: 50200050070484

Bank Name : HDFC BANK LTD.

IFSC Code.: HDFC0000240

PROFESSIONAL GUIDELINES FOR LAYING OF CABLES

POLYCAB
IDEAS. CONNECTED.
WIRES & CABLES



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.

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 bird-caging.



- 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 and 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.

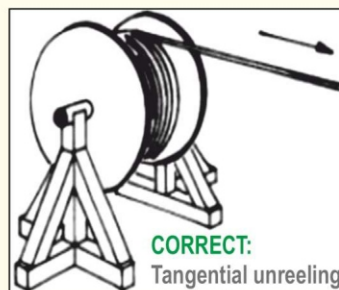
UNREELING CABLE (Bird Caging):

Bird caging / Kinking is a defect caused due to twist of cable due to improper unreeling. It results outer sheath cracks or cuts or armor swelling. The technique of pulling cables from drum plays important role in this case. (Please refer attached image for wrong & correct method of unreeling) Same cable can be used further after performing Insulation resistance test on cable as per IS 1255 for cable laying and installation. If the values found satisfactory, cuts on outer sheath can be repaired by applying heat shrinkable sheath repairing sleeve over the Outer sheath.

**Please Scan this QR code
for Video Link.**



Bird Caging



CORRECT:
Tangential unreeling



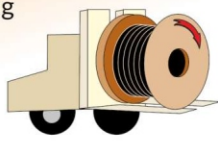
INCORRECT:
Axial unreeling

DO

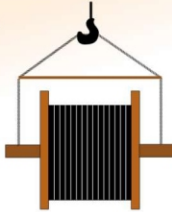
When off loading reels from a truck, lower reels carefully using a hydraulic gate, hoist or forklift truck.



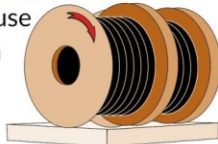
If a forklift is used for handling and shifting the cable drum, the forks shall approach the reel from the flange side. The forks shall be positioned such that the reel is lifted with both reel flanges.



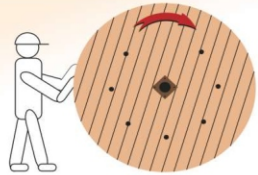
When using a hoist, install a mandrel through the reel arbor holes and attach a sling. Use a spreader bar approximately 6 inches longer than the overall reel width placed between the sling ends just above the flanges.



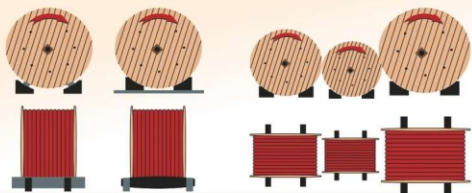
It is always safer to use a strong and well-drained surface for storing drums. If possible, the drums should be raised from the ground by the insertion of wooden planks, etc., below and on both sides of the drums : some check pieces should be placed so as not to allow the drums to be rolled loosely and 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.



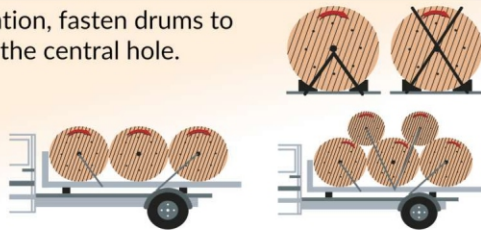
Always use proper stoppers to prevent the drum from rolling.



Ensure stoppers for every drum, to prevent mishaps during storage. Place the wedges by the flanges/full width of the drum



During transportation, fasten drums to the base through the central hole.



Use a winch, forklift or makeshift ramp.



DON'T

Never drop reels. If reels must be rolled, roll in opposite direction of the cable wraps to keep cable from loosening on the reel.



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.



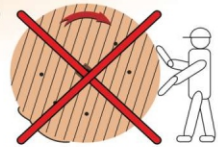
This may lead to the bending of the reel flanges and mashing the cable.



Multiple reels stacked on top of each other ("Pancake" storage) is not recommended for cable or 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.



When rolling in the direction of the arrow, never roll for more than 5 meters. Otherwise the cable may become unfit for use.



Allow the drums to roll at any cost. Stack the drums on non-triangular/non-square wedges.



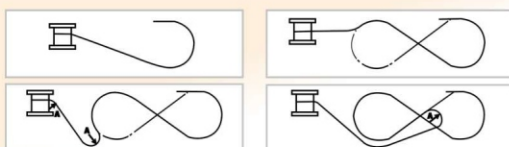
Fasten without taking adequate care. Always use support, and tie the drum from both the front and rear.



Allow one drum to strike another.



On The Ground Cable can be Flaked in a Figure of Eight Formation



Do Not Attempt "coiling" Of Cable On The Ground

