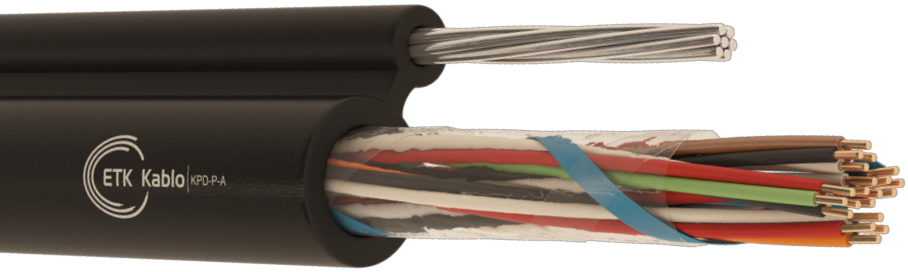
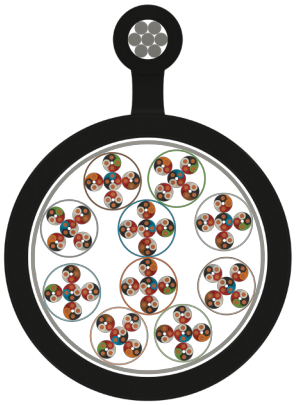
Outdoor Telephone Cables

KPD-P-A - PD-P-A

A-02YST2Y - A-2YT2Y

RoHS REACH CE





Application

· Designed to provide service extension to the subscribers.
· Cables having 0.5 mm conductor diameter are used for distribution network.
· Cables having 0.6 and 0.9 mm conductor diameter are used for long distance network.

Cable Construction

1 - Conductor : Electrolytic annealed solid copper (CCITT Yellow Book Vol. III-2-G.541 B article, IEC 28 and ASTM B 3).
2 - Insulation : Color coded foam skin polyethylene cladded with solid polyethylene or solid polyethylene insulation (BS 6234 Type 03 - ASTM D 1248).
3 - Stranding : Star quads or pairs, each having special lay length to minimize the crosstalk and capacitance unbalance, are assembled into 10 pairs units. Groups having 25, 50 or 100 pairs are stranded together into cable core.
4 - Wrapping : A non-hygroscopic and dielectric polyester tape is applied on the cable core longitudinally or helically.
5 - Messenger Wire : Galvanized steel messenger wire (ASTM A 475-66T).
6 - Outer Jacket: Linear low-density or medium-density, UV resistant black polyethylene outer jacket (ASTM D 1248).

Notes
Reference Standard: TS EN 60708

Technical Characteristics

	Conductor Diameter						
	0.40 mm	0.50 mm	0.60 mm	0.63 mm	0.65 mm	0.80 mm	0.90 mm
Conductor Resistance Ω/km (20 °C)							
Maximum Average	139,4	89,4	62,1	58	57	35	27,6
Maximum Individual	146,6	93	64,6	60	58	37	28,8
Insulation Resistance MΩ/km (500 V DC)	>10000	>10000	>15000	>15000	>15000	>15000	>15000
Mutual Capacitance nF/km (800 Hz)							
Maximum Average	50	50	45	45	45	45	45
Maximum Individual	56	56	51	51	51	51	51
Capacitance Unbalance pF/500 m							
Between Pairs							
Maximum Average	125	125	60	60	60	60	60
Maximum Individual	350	350	325	325	325	325	325
Between Adjacent Quads							
Maximum Average	125	125	60	60	60	60	60
Maximum Individual	275	275	270	270	270	270	270
To Screen							
Maximum Average	500	500	325	325	325	325	325
Maximum Individual	2000	2000	1300	1300	1300	1300	1300
Dielectric Strength							
V (DC, 1 minute)							
Pair - Pair	1400	1400	2000	2000	2000	2400	3000
Pair - Screen	1400	1400	2000	2000	2000	2400	3000

KPD-P-A (Quad)

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.131.4.5.1.0040.0.0002	2	0.4	4.2	4.8	39	1000/2000
3.131.4.5.1.0040.0.0004	4	0.4	5	9.5	49	1000/2000
3.131.4.5.1.0040.0.0006	6	0.4	6.2	14.3	62	1000/2000
3.131.4.5.1.0040.0.0010	10	0.4	6.4	23.7	74	1000/2000
Part Number	**Pair Count**	**Conductor Diameter (mm)**	**Approx. Cable Diameter (mm)**	**Copper Weight (kg/km)**	**Approx. Weight (kg/km)**	**Packing Lengths (m)**
3.131.4.5.1.0050.0.0002	2	0.5	4.4	7.5	43	1000/2000
3.131.4.5.1.0050.0.0004	4	0.5	5.6	14.9	78	1000/2000
3.131.4.5.1.0050.0.0006	6	0.5	6.7	22.3	92	1000/2000
3.131.4.5.1.0050.0.0010	10	0.5	6.9	37.1	117	1000/2000

PD-P-A (Quad)

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.132.4.1.1.0050.0.0002	2	0.5	4.8	7.5	45	1000
3.132.4.1.1.0050.0.0004	4	0.5	5.6	14.9	79	1000
3.132.4.1.1.0050.0.0006	6	0.5	6.8	22.3	93	1000
3.132.4.1.1.0050.0.0010	10	0.5	7	37.1	119	1000