PDH & PDH-K
PE INSULATED, HALOGEN-FREE INDOOR TYPE TELEPHONE CABLES

APPLICATION: These halogen-free cables are used as telephone cables inside the buildings for signal transmision and subscriber distribution purposes. PDH-K has tinned copper conductor which this cable is used especially at humudity places. These cables are used at schools, airpots, hospitals, etc. and in the environments which have no corrosive gases are emitted in the event of fire. In case of fire, these cables inhibit the propagation of the flames whereby the development of smoke is extremely low.

CABLE DESIGN

Conductor	: Annealed copper conductor, solid; for PDH Tinned copper conductor, solid; for PDH-K
Insulation	: PE compound , IEC 708
Core identification	: According to IEC 708
Star quads	: Twisted to a star quad, in different lay-length
Lay-up	: Up to 10 pairs laid up as star-quads After 10 pairs, 5 star quads laid up to a subunit. And 5 or 10 subunits laid up to a unit.
Separator	: Polyester tape (after 10 pairs)
Outer sheath	: HFFR compound, HM2, VDE 0207-24
Sheath colour	: RAL 7001,Grey

HFFR: Halogen-free flame retardant

TECHNICAL DATA

Standard	: TS 3930 / IEC 708 TS 2814 / IEC 60189-2 & VDE 0815 (Designed according to)
Conductor resistance	: 0,50 mm = 97,8 Ω/km
Insulation resistance	: Min. 5000 MΩ.km
Mutual Capacitance(800 Hz)	: Max. 56 nF/km
Capacity Unbalanced	: 500 pF / km (Between pairs) 500 pF / km
Operating voltage	: 250 V
Dielectric strength DC	: 1000 V
Temperature range	: Fixed : - 30 °C ~ + 70 °C Mobile : - 5 °C ~ + 50 °C
Min. bükülme yarıçapı	: 10xD
Alev testi	: IEC 60332-3 & TS/DIN EN 50266-2-4
Duman yoğunluğu testi	: IEC 61034-2 & TS/DIN EN 61034-2
Halojensizlik özelliği testi	: IEC60754-1/2 & TS/DIN EN 50267-2

Cross Sections

PDV Part-number	No. of pairs x Conductor Diameter (mm)	Approx. Outer Diameter (mm)	Copper Weight (Kg/km)	Approx. Cable Weight (Kg/km)
1946 02 001	1x2x0,50	3,0	5,5	15
1946 02 002	2x2x0,50	3,6	9,2	22
1946 02 003	3x2x0,50	3,8	12,9	28
1946 02 004	4x2x0,50	4,5	16,6	36
1946 02 005	5x2x0,50	5,0	20,3	42
1946 02 006	6x2x0,50	5,6	24	51
1946 02 010	10x2x0,50	6,7	39	75
1946 02 015	15x2x0,50	7,3	57	105
1946 02 020	20x2x0,50	9,2	76	145
1946 02 030	30x2x0,50	10,6	113	210
1946 02 050	50x2x0,50	12,8	187	330
1946 02 100	100x2x0,50	18,9	377	630
1946 02 150	150x2x0,50	22,5	566	965
1946 02 200	200x2x0,50	25,0	754	1285

PDV-K Part-number	No. of pairs x Conductor Diameter (mm)	Approx. Outer Diameter (mm)	Copper Weight (Kg/km)	Approx. Cable Weight (Kg/km)
1947 02 001	1x2x0,50	3,0	5,5	15
1947 02 002	2x2x0,50	3,6	9,2	22
1947 02 003	3x2x0,50	3,8	12,9	28
1947 02 004	4x2x0,50	4,5	16,6	36
1947 02 005	5x2x0,50	5,0	20,3	42
1947 02 006	6x2x0,50	5,6	24	51
1947 02 010	10x2x0,50	6,7	39	75
1947 02 015	15x2x0,50	7,3	57	105
1947 02 020	20x2x0,50	9,2	76	145
1947 02 030	30x2x0,50	10,6	113	210
1947 02 050	50x2x0,50	12,8	187	330
1947 02 100	100x2x0,50	18,9	377	630
1947 02 150	150x2x0,50	22,5	566	965
1947 02 200	200x2x0,50	25,0	754	1285