PD-PAH
PE INSULATED, HALOGEN-FREE TELEPHONE CABLES

APPLICATION: These halogen-free cables are used for in transmission and distribution of network. Designed to use in ducts not inside the water. 0.50 mm conductor diameter are used for distribution network, cables having 0.60 mm and 0.90 mm. conductor diameter are used for long distance network. The use of installation cables for power cable applications is not permitted. 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; IEC 60028
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
Inner Sheath	:	PE compound, Black
Screen	:	Laminated aluminium foil
Outer Sheath	:	HFFR compound, HM2, VDE 0207-24, Black

HFFR: Halogen-free flame retardant

TECHNICAL DATA

Standard	:	TS 3930 / IEC 708 & VDE 0812 (Designed according to)		
		0,5 mm	0,6 mm	0,9 mm
Conductor resistance (20 °C)	:	89,4	62,1	27,6
Insulation resistance	:	10000 Mohm.km	15000 Mohm.km	15000 Mohm.km
Mutual Capacitance (800 Hz)	:	52 nF/km	50 nF/km	50 nF/km
Between quads			Max. Average	
Capacity Unbalanced max.	:	150 pF/ 500mt	150 pF / 500 mt	100 pF /500 mt
Operating voltage	:	300 V	300 V	300 V
Dielectric strength DC	:	1000 V	1400 V	2100 V
Temperature range	:	-30 °C +70 °C		
Min. Bending radius	:	15 x D		
Flame test	:	IEC 60332-3 & TS/DIN EN 50266-2-4		
Smoke density test	:	IEC 61034-2 & TS/DIN EN 61034-2		
Halogen-free properties test	:	IEC60754-1/2 & TS/DIN EN 50267-2		

Cross Sections

Ürün kodu	Çift sayısı x İletken Çapı	Yaklaşık Dış Çap	Bakır Ağırlığı	Yaklaşık Kablo Ağırlığı
1953 02 002	2x2x0,50	8,0	9	75
1953 02 004	4x2x0,50	8,7	16	95
1953 02 006	6x2x0,50	9,4	24	110
1953 02 010	10x2x0,50	10,3	39	135
1953 02 020	20x2x0,50	12,8	76	205
1953 02 030	30x2x0,50	14,2	113	260
1953 02 050	50x2x0,50	16,6	187	365
1953 02 100	100x2x0,50	22,3	377	680
1953 03 002	2x2x0,60	8,2	11	90
1953 03 004	4x2x0,60	9,3	22	125
1953 03 005	6x2x0,60	11,2	22	145
1953 03 010	10x2x0,60	12,2	55	185
1953 03 020	20x2x0,60	14,6	110	265
1953 03 030	30x2x0,60	16,3	165	365
1953 03 050	50x2x0,60	19,3	275	520
1953 03 100	100x2x0,60	25,9	550	940

Ürün Kodu	Çift sayısı x İletken Çapı	Yaklaşık Dış Çap	Bakır Ağırlığı	Yaklaşık Kablo Ağırlığı
1953 05 002	2x2x0,90	10,2	25	120
1953 05 004	4x2x0,90	12,0	51	150
1953 05 006	6x2x0,90	12,6	76	210
1953 05 010	10x2x0,90	14,8	128	280
1953 05 020	20x2x0,90	18,5	256	465
1953 05 030	30x2x0,90	21,8	384	650
1953 05 050	50x2x0,90	22,3	640	995
1953 05 100	100x2x0,90	35,9	1280	2100
1953 05 150	150x2x0,90	44,3	1920	2850
1953 05 200	200x2x0,90	49,6	2560	3850