



## CABLE CONSTRUCTION

- 1 Conductor** : Electrolytic annealed solid copper
- 2 Insulation** : Color coded foam skin polyethylene clad with solid polyethylene
- 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 Filling Compound** : Cable core is filled with a special jelly filling compound to avoid the water leakage into air spaces
- 5 Wrapping** : A non-hygroscopic and dielectric polyester tape is applied on the cable core longitudinally or helically
- 6 Filling Compound** : Secondary jelly filling is applied between wrapping and screen in order to provide waterproofness
- 7 Screen** : Both sides are coated with copolymer coated flat aluminum tape over cable core longitudinally for screening
- 8 Outer jacket** : Linear low-density or medium-density, UV resistant black polyethylene outer jacket

## APPLICATION

Direct Burial  
In underground cable ducts  
Distribution networks

## TECHNICAL CHARACTERISTICS

Conductor Resistance ( $\Omega/\text{km}$ )	93
Insulation Resistance Min. ( $\text{M}\Omega \times \text{km}$ ) (500VDC)	10000
Mutual Capacitance ( $\text{nF}/\text{km}$ )	56
<b>Capacitance Unbalance (<math>\text{pF}/500\text{m}</math>)</b>	
Between Pairs	350
Between adjacent Quads	275
To screen	2000
<b>Dielectric strength V (DC, 1 minute)</b>	
Pair - Pair	1400
Pair - Screen	1400

## VERSIONS

Article Number	Product	Pair Count	Conductor Diameter (mm)	Sheath	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	PU
4001115	6 Pair Telephone Cable	6	0.50	PE	9.1	88	22.3	1000 m Drum
4001116	12 Pair Telephone Cable	12	0.50	PE	10	128	44.5	1000 m Drum
4001117	25 Pair Telephone Cable	25	0.50	PE	13.3	215	92.6	1000 m Drum
4001118	50 Pair Telephone Cable	50	0.50	PE	17	379	185.2	1000 m Drum
4001119	100 Pair Telephone Cable	100	0.50	PE	22.3	693	377.5	1000 m Drum
On request	200 Pair Telephone Cable	200	0.50	PE	30.3	1314	755	500 m Drum
On request	300 Pair Telephone Cable	300	0.50	PE	35.9	1902	1132.4	500 m Drum
On request	400 Pair Telephone Cable	400	0.50	PE	40.1	2450	1509.9	400 m Drum