

Underground Duct Type Unarmoured Jelly Filled Telephone Distribution Cables

Teklogiks outdoor telephone cables are designed to be used in ducts and also directly buried in to ground. Cables having 0.4mm and 0.5mm conductor diameter are used for distribution network. Cables having 0.6mm and 0.9mm conductor diameter are used for long distance network.



Construction

- Electrolytic copper conductor (IEC28 or ASTM B3)*
- Either Foam-Skin or Solid Polyethylene insulation (BS 6234 03 C)*
- Polyester tape that does not contain moisture and has dielectric property*
- Fully-filled whit petroleum jelly*
- Aluminum folis protected whit PE lamination on sides*
- Black linear-low density or medium-densitiy polyethylene compound outer sheath(ASTM 1248 D)*

Electrical Characteristics

		Conductor Diameter			
		0.4	0.5	0.6	0.9
Conductor Resistance	(Maximum Average)	139.4	89.4	62.1	27.6
	(Maximum Individual)	146.6	93	64.6	28.8
Mutual Capacitance	(Maximum Average)	50	50	45	45
	(Maximum Individual)	56	56	51	51
Capacitance Unbalance (Between pairs)	(Maximum Average)	125	125	60	60
	(Maximum Individual)	500	500	325	325
Between Adjacent Quads	(Maximum Average)	125	125	60	60
	(Maximum Individual)	375	375	370	370
To Ground	(Maximum Average)	500	500	325	325
	(Maximum Individual)	2000	2000	1300	1300
Insulation Resistance 500 V DC Megaohm-Km		10000	10000	15000	15000
Dielectric Strength	Pair- Pair	1400	1400	2000	3000
	Pair-Ground	1400	1400	2000	3000
	Pairs-Screen	9000	9000	9000	9000

Short Distance Cables

Conductor Diameter mm	Number of Pairs	App. Overall Diameter mm	App. Weight Kg/Km	Standard Reel Length m
0.4	10	8.3	97	100/2000
	20	9.7	145	100/2000
	30	11.2	196	100/2000
	50	12.9	277	1000
	100	16.3	486	1000
	150	19.8	711	500
	200	21.7	897	500
	300	25.6	1296	500
	400	28.6	1666	500
	600	34.8	2478	500
	900	41.9	3650	400
	1200	48.2	4554	400
	1500	53.8	5695	300
	1800	59.1	6841	300
0.5	10	9.2	125	100/2000
	20	11	193	100/2000
	30	12.8	266	100/2000
	50	14.9	388	1000
	100	19.4	706	500
	150	23.7	1040	500
	200	26.1	1322	500
	300	31.1	1929	500
	400	34.8	2490	500
	600	42.5	3715	500
	900	50.8	5384	400
	1200	64.8	6877	300

Longt Distance Cables

Conductor Diameter mm	Number of Pairs	App. Overall Diameter mm	App. Weight Kg/Km	Standard Reel Length m
0.6	10	10.8	154	1200
	20	12.4	251	1200
	30	14.7	352	1200
	50	17.1	520	1200
	100	22.7	974	800
	150	28.2	1458	400
	200	31	1853	400
	300	37.2	2714	400
	400	41.7	3505	400
	600	50.9	5242	400
0.9	10	12.6	265	1200
	20	15.9	456	1200
	30	19.3	670	800
	50	23.1	1030	800
	100	31.3	1982	400
	150	39.3	3009	400
	200	42	3752	400
	300	50.7	5539	400

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
TL-TC-EXT-0.40-010	10 Pair 0.4mm outdoor unarmoured Jelly Filled screened Telephone Cable PE
TL-TC-EXT-0.40-1800	1800 Pair 0.4mm outdoor unarmoured Jelly Filled screened Telephone Cable PE
TL-TC-EXT-0.50-010	10 Pair 0.5mm outdoor unarmoured Jelly Filled screened Telephone Cable PE
TL-TC-EXT-0.50-1200	1200 Pair 0.5mm outdoor unarmoured Jelly Filled screened Telephone Cable PE
TL-TC-EXT-0.60-010	10 Pair 0.6mm outdoor unarmoured Jelly Filled screened Telephone Cable PE
TL-TC-EXT-0.60-600	600 Pair 0.6mm outdoor unarmoured Jelly Filled screened Telephone Cable PE
TL-TC-EXT-0.90-050	10 Pair 0.9mm outdoor unarmoured Jelly Filled screened Telephone Cable PE
TL-TC-EXT-0.90-300	300 Pair 0.9mm outdoor unarmoured Jelly Filled screened Telephone Cable PE
TL-TC-EXT-0.XX-YYY XX-0.4, 0.5, 0.6, 0.9. YYY- 10,20,30,50,100,150,200,300,400,600,900,1200,1500,1800	