



-the nation's live wire-

SHEATHED TELEPHONE CABLE (UPEE-PFA)



Specification: NITEL S3204

Construction: plain annealed copper conductor with colour coded polyethylene insulation; two cores twisted into pairs; suitable number of pairs twisted together to form cable or to form unit that are bound, then twisted with other units to form cable, lapped with plastic tape, then shielded with longitudinally applied aluminium tape and covered with black polyethylene sheath.

Application: underground telephone distribution

Conductor diameter mm	Total number of pairs	Pairs per unit and number of units	Nominal thickness of sheath mm	Overall diameter mm	Approximate mass per km kg	Standard unit length m
0.5	10	10P x 1	0.9	20.1	758.6	2000
	20	20P x 1	0.9	23.9	952.3	2000
	30	10P x 3	0.9	25.7	1104.2	2000
	50	25P x 2	0.9	27.9	1339.1	1000
	100	25P x 4	1.1	30.7	1750.8	1000
	150	25P x 6	1.2	35.5	1843.7	1000
	200	25P x 8	1.3	38.9	2197.2	500
	300	25P x 12	1.4	45.5	3143.1	500
	400	25P x 16	1.5	52.3	3788.8	300
0.65	600	25P x 24	1.6	59.3	4998.3	300
	10	10P X 1	0.9	23.9	991.6	1000
	20	20P x 1	0.9	25.2	1220.1	1000
	30	10P x 3	0.9	28.1	1475.8	1000
	50	25P x 2	0.9	31.9	1820.6	1000
	100	25P x 4	1.2	36.2	2508.2	500
	150	25P x 6	1.3	40.7	2883.1	500
	200	25P x 8	1.4	46.0	3478.3	500
	300	25P x 12	1.6	55.8	4191.9	300
400	25P x 16	1.7	62.6	5612.2	200	
600	25P x 24	1.9	72.7	7580.2	250	

Electrical characteristics:

Maximum conductor Resistance per km

0.5mm: not more than 95 ohm/km

0.65mm: not more than 56 ohm/km

* Minimum insulation Resistance 2000M ohm/km at 20C

* Dielectric Strength:

0.5mm: DC 3000V (3 seconds)

0.65mm: DC 3600V (3 seconds)

*Mutual capacitance: 52+4nF/km at 800Hz

*Minimum Cross talk Attenuation: 68dB/km at 150KHz

