



► **APPLICATION**

External grade cable for data transmission and local network distribution systems.

► **CONSTRUCTION**

**Conductor** : Solid, plain copper wire to BS4109

**Insulation** : Solid or cellular Polyethylene to BS6234

**Lay-up** : Cores twisted into pairs and cross stranded to form units/sub units. These are laid up to form compact circular cable

**Wrapping** : Cable lapped longitudinally with polyester or paper tape

**Screen** : Cable screened with aluminium/copper tape

**Sheath** : PVC to BS6746 (Black)

No. of Pairs	No. of Cores	A-Wire Insul.	B-Wire Insul.	Cond. Area (mm <sup>2</sup> )	Cond. Insul. R/T (mm)	Core Dia. (mm)	Sheath R/T (mm)	Approx. OD (mm)	Cond. Res. at 20°C (Ω/km)	Insul. Res. (MΩ/km)	Cap. Unbalance (PF)-500M	Approx. Weight (kg/km)	PART NO.	No. of Pairs
1	2	WHI	BLU											1
2	4	WHI	ORG	0.33	0.24	1.13	1.5	7.15	56	10000	150	58	TL6002	2
3	6	WHI	GRN	0.33	0.24	1.13	1.5	7.25	56	10000	150	68	TL6003	3
4	8	WHI	BRN											4
5	10	WHI	GRY	0.33	0.24	1.13	1.5	9.76	56	10000	150	105	TL6005	5
6	12	RED	BLU	0.33	0.24	1.13	1.5	9.76	56	10000	150	130	TL6006	6
7	14	RED	ORG											7
8	16	RED	GRN											8
9	18	RED	BRN											9
10	20	RED	GRY	0.33	0.24	1.13	1.5	11.55	56	10000	150	158	TL6010	10
Cables over 10 pair are constructed with 10 pair units with above color coding														
20	40			0.33	0.24	1.13	1.5	14.07	56	10000	150	252	TL6020	20
30	60			0.33	0.24	1.13	1.5	15.96	56	10000	150	347	TL6030	30
40	80			0.33	0.24	1.13	1.5	17.75	56	10000	150	420	TL6040	40
50	100			0.33	0.24	1.13	1.7	19.32	56	10000	150	515	TL6050	50
60	120			0.33	0.24	1.13	1.7	20.07	56	10000	150	599	TL6060	60
70	140			0.33	0.24	1.13	1.7	22.05	56	10000	150	683	TL6070	70
100	200			0.33	0.24	1.13	1.7	25.50	56	10000	150	903	TL6100	100

Each unit is lapped with colored tape for identification as follows

Unit 1	BLU
Unit 2	ORG
Unit 3	GRN
Unit 4	BRN
Unit 5	GRY
Unit 6	WHI
Unit 7	RED
Unit 8	BLK
Unit 9	YEL
Unit 10	VIO

