



► **APPLICATION**

External grade cable for installation in local network distribution systems. These are manufactured generally to CW1128/CW1179.

► **CONSTRUCTION**

- Conductor** : Plain annealed 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
- Filling** : Cable filled with Petroleum-Jelly
- Wrapping** : Cable lapped longitudinally with polyester or paper tape
- Screen** : Cable screened with laminated aluminium/polyester tape
- Sheath** : Polyethylene to BS6234 (Black)
- Options** : Without Petroleum-Jelly filling. Without screen

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											2
3	6	WHI	GRN											3
4	8	WHI	BRN											4
5	10	WHI	GRY	0.2	0.2	0.9	1.1	12.5	91	1500	275	62	TE5005	5
6	12	RED	BLU											6
7	14	RED	ORG											7
8	16	RED	GRN											8
9	18	RED	BRN											9
10	20	RED	GRY	0.2	0.2	0.9	1.1	14.5	91	1500	275	103	TE5010	10
Cables over 10 pair are constructed with 10 pair units with above color coding														
20	40			0.2	0.2	0.9	1.2	13.5	91	1500	275	168	TE5020	20
30	60			0.2	0.2	0.9	1.2	15.5	91	1500	275	230	TE5030	30
50	100			0.2	0.2	0.9	1.3	18.0	91	1500	275	333	TE5050	50
100	200			0.2	0.2	0.9	1.4	23.5	91	1500	275	591	TE5100	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

