

5. Miscellaneous

5.4

PVC Insulated, Self - Supporting One Pair Drop Wire

Application	: Telecommunication Drop Wire
Reference Standards	: SLT Standards
Conductor Material	: Solid, Circular Annealed Copper
Conductor Diameter	: 0.65 ± 0.01 mm
Conductor Resistance	: Max. 56 Ω /km at 20 °C
Bearer Wire Material	: Galvanized Steel
Bearer Wire Diameter	: 1.20mm
Bearer Wire Strength	: Min. 155kg Breaking Strength
Insulation Material	: Weather Proof High Density PVC
Colour of Insulation	: Black



5.5

PVC Insulated, Aluminium Service Main Wire 300/500 V Single Core, Twin and Flat Twin

Application	: Service Main Wire
Reference Standards	: IEC 60889, BS 6004, BS 7655, CEB Standards
Voltage Rating	: 300/500V
No. of cores	: Single or Two Core
Conductor Material	: 3/4 Hard Drawn Aluminium or Hard Drawn Aluminium
Insulation Material	: PVC TI 1
Sheath Material	: PVC TM 1

(1) Single core service main wire, PVC insulated and sheathed

Colour of Insulation	Brown/Blue
Colour of Sheath	Black
Cross-Sectional Area	10mm ² , 16mm ²

(2) Flat Twin Service main wire, both cores insulated and sheathed

Colour of Insulation	Brown/Blue or Black/Grey
Colour of Sheath	Black
Cross-Sectional Area	10mm ² , 16mm ²

(3) Twin service main wire, one core insulated and other bare, both sheathed

Colour of Insulation	Brown
Colour of Sheath	Black
Cross-Sectional Area	6mm ² , 10mm ² , 16mm ²



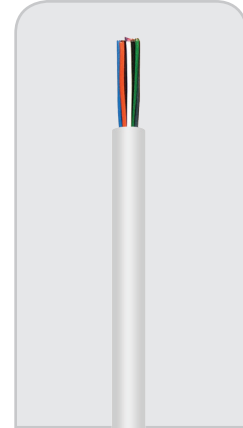
5. Miscellaneous

5.6 Telecommunication Distribution Cable

Application: Use for connecting subscribers in to the exchange cable network.

Specifications

Type	: Cu/PE/PVC
Standard	: BS 3573
Conductor Material	: Solid circular Annealed Copper
Conductor Diameter	: 0.4mm, 0.5mm, 0.63mm, 0.90mm
Insulation Material	: Polyethylene
Sheath Material	: PVC



Number of pairs	Conductor Diameter	Nominal Overall Diameter	Approx. Weight
	mm	mm	kg/km
1	0.50	5.3	1.9
2	0.50	6.1	3.0
5	0.50	8.0	5.1
10	0.50	9.2	9.0
20	0.50	11.6	16.5
50	0.50	21.0	42.0

Conductor Resistance at 20 °C = 91 Ω/km

Minimum Insulation Resistance = 1500 MΩ at 20 °C after electrification for one minute at 500 V d.c

Colour Chart

Pair Number Wire	Pair 1		Pair 2		Pair 3		Pair 4		Pair 5	
	A	B	A	B	A	B	A	B	A	B
1 - Pair Centre	Orange	White								
2 - Pair Centre	Orange	White	Green	Black						
3 - Pair Centre	Orange	White	Red	Grey	Green	Black				
4 - Pair Centre	Orange	White	Red	Grey	Blue	Brown	Green	Black		
Additional Layers	Orange	White	Red	Grey	Blue	Brown	Red	Grey	Blue	Brown
5 - Pair Centre	Orange	White	Red	Grey	Blue	Brown	Red	Grey	-	-