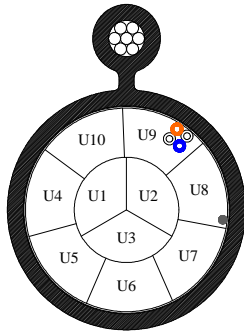


10 to 100 Pairs 0.90mm Aerial Self-supported Telephone Cable (Figure 8)

Cable Design

ACMA - AS/CA S008



- Drawing not to scale -

- **Multi-pair construction**
- **Conductor:** Annealed solid Cu wire 0.90mm in compliance with AS1125
- **Insulation:** Polyethylene compound in compliance with AS1049
- **Cabling element:** Twisted pair
- **Colour code:** See table 1
- **Stranding of pairs:** Bunched (10 pair units)
- **Wrapping:** Polyethylene terephthalate tape
- **Drain wire:** Tinned annealed copper wire 0.5mm diameter
- **Screen:** Aluminium / Polyethylene terephthalate tape
- **Bearer wire:** Galvanised steel wire with AS 1222.1
- **Sheath:** UV stabilised polyethylene in compliance with AS 1049

This self-supported copper telephone cable is designed for external aerial installations. GSW integral bearer is incorporated into the polyethylene sheath in 'figure 8' formation.

Technical data

Number of Pairs		10	30	50	100
Cable nominal diameter	mm	12.1 X 18.2	20.6 X 29.7	27.8 X 38.3	38.2 X 51.0
Diameter over bearer (nominal)	mm	4.8	7.5	9.1	11.3
Cable nominal weight	kg/km	240	650	1050	1960
GSW (IB) diameter	mm	1 / 2.50	7 / 1.25	7 / 1.60	7 / 2.00
Max. installation tension ¹	kN	2.0	3.5	5.8	9.0
Min. bending radius	mm		At full load At no load	20 x Cable OD 10 x Cable OD	
Temperature range	°C	Installation 0 -> +50		Operation -10 -> +70	

Note 1= Over GSW (IB) messenger

Identification

Sheath Colour:

The standard outer sheath colour is black.

Sheath Marking:

The outer sheath is marked in 1 meter intervals as follows:

PRYSMIAN DW M@XTEL No PAIRS (##) 0.90 T##P90IB N10514 T/N \$\$\$\$ MM/YY ***M**

Electrical characteristics

DC resistance [Ω /km]: 27.9 Max.

Insulation resistance [$M\Omega$ /km]: 10,000 Min.

Mutual capacitance [nF/km]: 52 Max.

Capacitance unbalance [pF] pair to pair: 150 Max. (corrected to 500m length)

Capacitance unbalance [pF] pair to earth: 700 Max. (corrected to 1000m length)

Note: All electrical characteristics are given at 20°C

Table 1. Colour code / Pair and unit identification

Pair number	Insulation colour		Pair number	Group colour	
	Wire a	Wire b			
1	White	Blue	1 to 10	Blue	Blue
2	White	Orange	11 to 20	Orange	Orange
3	White	Green	21 to 30	Green	Green
4	White	Brown	31 to 40	Brown	Brown
5	White	Grey	41 to 50	Grey	Grey
6	Red	Blue	51 to 60	White	Blue
7	Red	Orange	61 to 70	White	Orange
8	Red	Green	71 to 80	White	Green
9	Red	Brown	81 to 90	White	Brown
10	Red	Grey	91 to 100	White	Grey

Units : 10 pairs (pairs 1 to 10)

Logistic

Packing:

New non-returnable timber drums to AS/NZS 2857 with NOLCO-FLEX protection

Delivery Lengths:

Standard delivery length is 2 km with a tolerance of - 1% / + 3%

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