

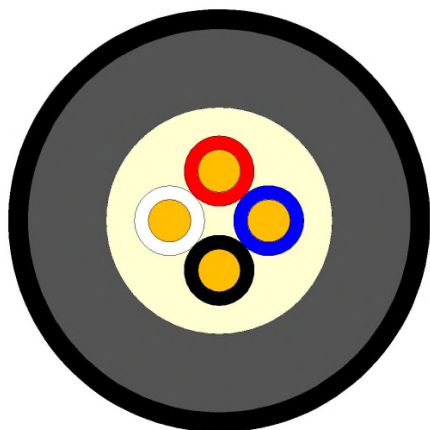
M@XTEL® Comms Cable

External Lead-in Cable

CPFLI PEHJC

Cable Design

ACMA - AS/CA S008



- Drawing not to scale -

- **Multi-pair construction**
- **Conductor:** Annealed solid copper wire 0.64mm diameter (22 AWG) in compliance with AS/NZS 1125
- **Insulation:** Cellular polyethylene compound in compliance with AS 1049
- **Cabling element:** Twisted Quad
- **Colour code:** See table 1
- **Longitudinal water tightness:** Semi-dry Gel filled interstices
- **Sheath:** UV stabilised polyethylene in compliance with AS 1049
- **Outer jacket:** UV stabilised polyamide (nylon) in compliance with AS 1049 integrally bonded to the polyethylene sheath

This copper telecommunications cable is designed for external underground installations in ducts or by direct burial in trenches. Polyamide provides anti-termite protection.

Technical data

Number of Pairs		2
Cable nominal diameter	mm	6.2
Cable nominal weight	kg/km	35
Max. installation tension	N	120
Min. bending diameter	mm	100
Temperature range	°C	Installation -0 -> +50 Operation -10 -> +70

Identification

Sheath Colour:

The standard outer sheath colour is black.

Sheath Marking:

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

PRYSMIAN DW M@XTEL COMMS CABLE MM/YY 2/0.64 CPFLI PEHJC BONDED
J/N ##### MADE IN AUSTRALIA ***** >> | << *****

Where:

MM/YY = Month/Year of manufacture
= Job Numbers
*****M >> | << *****M = Metre Marking with cut line

Electrical characteristics		
DC resistance (Max.)	Ω/km	56.4
Insulation resistance (Min.)	MΩ.km	20,000
Mutual capacitance		
(Maximum)	nF/km	48
(Maximum Average)	nF/km	46
Capacitance unbalance, Pair to Pair (Max.)		
Corrected to 500m length	pF	120

Note: All electrical characteristics are given at 20°C

Table 1. Colour code / Pair identification

Pair number	Insulation colour	
	Wire a	Wire b
1	White	Blue
2	Red	Black

Logistic

Packing:

Plastic reels and cardboard boxes

Delivery Lengths:

Standard delivery length is 500 m with a tolerance of - 1% / + 3%

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