

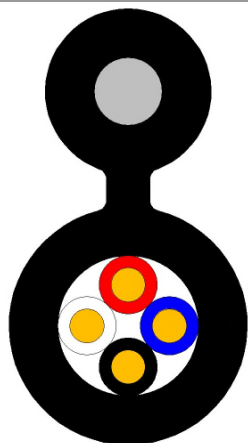
# M@XTEL® Comms Cable

## Aerial Self-Supported Lead-in Cable (Figure 8)

### PEILI PEIB

#### 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:** Solid polyethylene compound in compliance with AS 1049
- **Cabling element:** Twisted Quad
- **Colour code:** See table 1
- **Bearer wire:** Galvanised steel wire in compliance with AS 1222.1
- **Sheath:** UV stabilised polyethylene in compliance with AS 1049

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

#### Technical data

Number of Pairs		2 (Quad)	
Cable nominal diameter	mm	4.4 x 7.9	
Diameter over bearer (nominal)	mm	3.1	
Cable nominal weight	kg/km	38	
GSW (IB) diameter	mm	1 / 1.25	
Max. installation tension <sup>1</sup>	kN	1.0	
Min. bending diameter	mm	100	
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 metre intervals as follows:

PRYSMIAN DW M@XTEL COMMS CABLE MM/YY 2/0.64 PEILI PEIB J/N ##### MADE IN AUSTRALIA \*\*\*\*\*M >> | << \*\*\*\*\*M

Where:

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

<b>Electrical characteristics</b>		
DC resistance (Max.)	Ω/km	56.4
Insulation resistance (Min.)	MΩ.km	40,000
Mutual capacitance (Max.)	nF/km	48
Capacitance unbalance, Pair to Pair (Max.) Corrected to 500m length	pF	120
Capacitance unbalance, Pair to Earth (Max.) Corrected to 1000m length	pF	2000

Note: All electrical characteristics are given at 20°C

**Table 1. Colour code / Pair identification**

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

## Logistic

**Packing:**

Timber or plastic drums

**Delivery Lengths:**

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

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