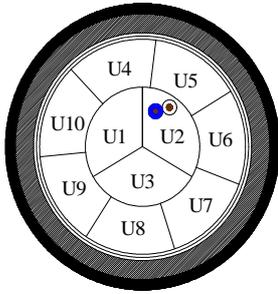


External Underground Distribution Cable - Unscreened

Cable Design

ACMA - AS/CA S008



- Drawing not to scale -

- **Multi-pair construction**
- **Conductor:** Annealed solid copper wire 0.64mm diameter (22 AWG)
- **Insulation:** Cellular polyethylene compound in compliance with AS1049
- **Cabling element:** Twisted pair
- **Colour code:** See table 1
- **Stranding of pairs:** Bunched (10 pair sub-units)
- **Longitudinal water tightness:** Jelly filled interstices
- **Wrapping:** Polyethylene terephthalate or paper tape
- **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 telephone cable is designed for external underground installations in ducts or by direct burial. Polyamide provides effective anti-termite barrier.

Technical data

Number of Pairs		10	30	50	100
Cable nominal diameter	mm	10.8	16.5	20.8	27.5
Cable nominal weight	kg/km	124	312	504	939
Max. installation tension	N	600	1800	3100	6200
Min. bending radius	mm	16 x Cable OD			
Temperature range	°C	Installation -0 -> +50		Operation -10 -> +70	

Identification

Sheath Colour:

The standard outer sheath colour is black. Other colours are available upon request.

Sheath Marking:

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

PRYSMIAN DW M@XTEL XXXPR 0.64 Part Number  N10514 T/N #### MM/YY MADE IN AUSTRALIA *****

Electrical characteristics

DC resistance [Ω /km]: 56.4 Max.
 Insulation resistance [$M\Omega$ /km]: 10,000 Min.
 Mutual capacitance [nF/km]: 49 Max.
 Capacitance unbalance [pF] pair to pair: 150 Max. (corrected to 500m 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 1 km with a tolerance of - 1% / + 3%

© PrysmianGroup 2012, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by PrysmianGroup: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of PrysmianGroup. The information is believed to be correct at the time of issue. PrysmianGroup reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by PrysmianGroup.