

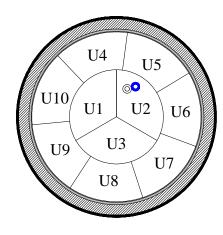
T(10-100)P64PEJMN SDF TLC2/A5EP1



M@XTEL®

External Underground Distribution Cable - Screened

Cable Design ACMA - AS/CA S008



Multi-pair construction

- **Conductor:** Annealed solid copper wire 0.64mm diameter (22 AWG) in compliance with AS 1125
- Insulation: Cellular polyethylene compound in compliance with AS 1049
- Cabling element: Twisted pair
- Colour code: See table 1
- Stranding of pairs: Bunched (10 pair sub-units) / Units laid-up
- Longitudinal water tightness: Semi-dry Gel filled interstices
- Wrapping: Polyethylene terephthalate or paper tape
- Moisture barrier: Aluminium/polyethylene laminated 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

- Drawing not to scale -

This copper telecommunications cable is designed for external underground installations in ducts or by direct burial in trenches. Aluminium moisture barrier provides complete water protection and polyamide provides effective anti-termite barrier.

Technical data

Number of Pairs		10	30	50	100		
Cable nominal diameter	mm	10.5	15.8	19.8	27.0		
Cable nominal weight	kg/km	125	300	470	890		
Max. installation tension	kN	0.6	1.8	3.1	6.1		
Min. bending diameter	mm	20 x Cable OD					
Temperature range	°C	Installation	n -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 XXXPR 0.64 Part Number J/N #### MM/YY MADE IN AUSTRALIA *****M >> | << *****M

Where:

XXX = Number of Pairs #### = Job Numbers

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



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Electrical characteristics

DC resistance $[\Omega/km]$: 56.4 Max.

Insulation resistance [M Ω /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	Insulation colour		Pair	Cuarra calarra	
number	Wire a	Wire b	number	Group colour	
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:

Timber drums to AS/NZS 2857 with NOLCO-FLEX protection

Delivery Lengths:

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

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.

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