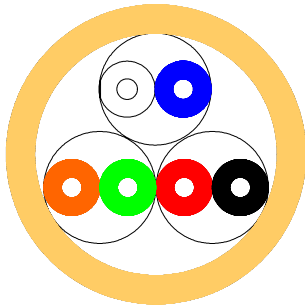


Internal Telephone/Data Communications Cable - UTP Category 3

AS/NZS 3080
ACMA - AS/CA S008

Cable Design



- **Multi-pair construction**
- **Conductor:** Annealed solid copper wire 0.50mm diameter (24 AWG)
- **Insulation:** Polyethylene compound in compliance with AS1049
- **Cabling element:** Twisted pair
- **Colour code:** See table 1
- **Stranding of pairs:** Circular
- **Sheath:** PVC in compliance with AS 1049. One ripcord is provided beneath the sheath for easy removal
- **Sheath (Alternative):** LSOH in compliance with AS 1049

- Drawing not to scale -

These Internal cables have been upgraded to Category 3, 100Ω balanced, suitable for Local Area Network (LAN) network cabling (Up to 16 MHz). Data-grade UTP, capable of supporting transmission rates of up to 16Mbps

Technical data

Number of Pairs		2	3
Cable nominal diameter	mm	3.9	4.8
Cable nominal weight	kg/km	20	27
Max. installation tension	kN	75	110
Min. bending radius	mm	10 x Cable OD	
Temperature range	°C	Installation 0 -> +50	Operation 0 -> +60


Identification

Sheath Colour:

The standard outer sheath colour is manilla (off-white). The colour for the LSOH option is black.

Sheath Marking:

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

PRYSMIAN DW M@XTEL CAT3 XPR INTERNAL TELEPHONE 0.50MM Part No  N10514 T/N #### MM/YY MADE IN AUSTRALIA *****M

Attenuation and Near End Crosstalk (NEXT):			Electrical characteristics
Frequency [MHz]	Max. Attenuation [dB/100m]	Min. Pr-Pr NEXT [dB/100m]	DC resistance [Ω /100m]: 9.38 Max. Resistance unbalance [%]: 5.0 Max. Characteristic impedance [Ω]: 100 \pm 15 @1.0–16 MHz Capacitance unbalance [pF/100m] pair to ground @ 0.8 or 1.0 kHz: 330 Max. Note: All electrical characteristics are given at 20°C
0.256	1.3	N/A	
0.512	1.8	N/A	
0.772	2.2	43.0	
1.0	2.6	41.3	
4.0	5.6	32.3	
8.0	8.5	27.8	
10.0	9.7	26.3	
16.0	13.1	23.2	

Table 1. Colour code / Pair and unit identification

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

Logistic

Packing:

Fibreboard 'easy-pull' dispenser cartons (Reelex)

Delivery Lengths:

Standard delivery length is 250, 305 (2 pair only) or 500 m 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.