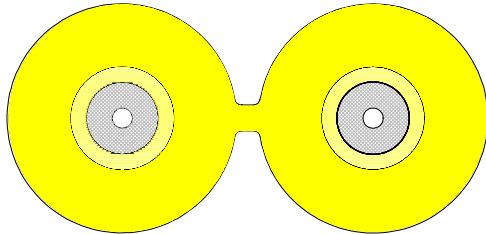


Two Fibre Zip-cord Patch Cable (Duplex)

Cable Design

AS/NZ 3080
ACMA - AS/CA S008



- **Two-fibre (singlemode or multimode)**
- **Fibre protection (secondary):** PVC in compliance with AS 1049
- **Peripheral strength members:** Aramid yarns
- **Sheath:** PVC or low smoke, zero halogen flame retardant (LSOH) thermoplastics both in compliance with AS 1049.

- Drawing not to scale -

This tight buffered fibre optical zip-cord is suitable for interconnection in high cabling density patch panels and other fibre management enclosures and process control applications. Featuring a very small diameter reduces significantly the cabling area density.

Technical data

Number of Fibres		2
Cord diameter	mm	1.9 ± 0.1 x 4.0 ± 0.2
Tight buffer diameter	µm	900 ± 50
Cable nominal weight	kg/km	7.0
Max. installation tension	N	200
Max. crush resistance	N/100 mm	500 (Short term)
Min. bending radius	mm	At full load 60 At no load 30
Temperature range	°C	Installation -0 -> +50 Transport & Storage -10 -> +60 Operation 0 -> +60

Optical Characteristics

Refer to specific tight buffered / cabled optical fibre data sheet.

Identification

Fibre Colour (tight buffered):
Natural.

Sheath Colour:
The sheath colour is yellow for singlemode and orange or aqua for multimode fibres.

Sheath Marking:

The sheath (over one cord only for fibre identification) is marked at 0.5 meter intervals with the following:

PRYSMIAN DW DESKWAVE Part Number N10514 T/N #### MM/YY MADE IN AUSTRALIA ****M

^ Customised marking legend is available (subject to agreement)

Main mechanical characteristics

Parameter	Test method	Test conditions	Acceptance criteria
Tensile strength	IEC 60794-1-2-E1	Load: As per cable maximum tensile strength in table above.	After 30 minutes the maximum strain on the fibre should not exceed 0.5% and no attenuation increase greater than 0.1 dB occurs
Crush	IEC 60794-1-2-E3	Short time: 10 min Load: As per maximum crush resistance in table above Number of positions: 3 adjacent sections (ensuring one over tube and one over lay reversal)	No damage to the sheath or to the core structure and no attenuation increase greater than 0.1 dB occurs
Torsion	IEC 60794-1-2-E7	Sample length: 1 m Tension: As per table 1 of specification Rotation: a) 180° clockwise, b) return to starting position c) 180° anticlockwise d) return to starting position. Four movements constitute one cycle). Complete 10 cycles (a to d) in one minute maximum	During the final tenth cycle at a), c) and after completion (no rotation) check transmitting fibres. No fibre breaks, no damage to the sheath or to the core structure and no attenuation increase greater than 0.1 dB occurs
Bend	IEC 60794-1-2-E11	Mandrel radius: As per minimum bend radius no load in table above. Bend: 360° (1turn)	a) No attenuation increase greater than 0.1 dB occurs
Bend under tension	Concurrent to tensile test IEC 60794-1-2-E18	Mandrel radius: As per minimum bend radius full load in table above. Bend: 360° (1turn)	a) After 1minute no fibre breaks, no damage to the sheath or to the core structure and no attenuation increase greater than 0.1 dB occurs from no load to full load
Temperature cycling	IEC 60794-1-2-F1	Sample length: 1000 m (minimum) Temperature range: From 0 °C to +60 °C	There should be no average attenuation increase at the temperature extremes when compared to the attenuation at ambient temperature. No individual fibre should measure an attenuation greater than 0.15 dB/km

Logistic

Packing:

New non-returnable plastic drums

Delivery Lengths:

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

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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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