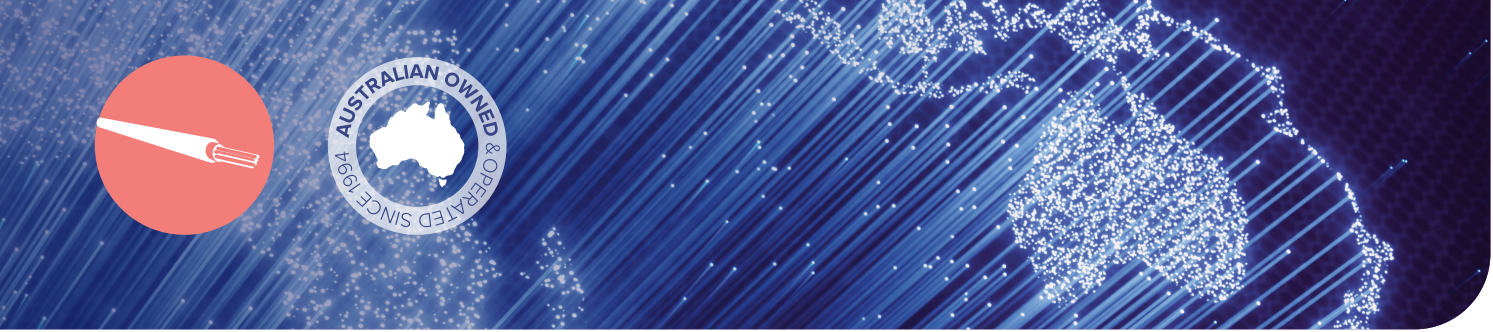
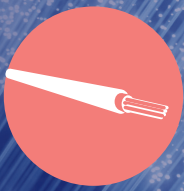


JCS TECHNOLOGIES

Indoor / Outdoor Light Duty Riser Optical Cable





AS/NZ 3080 ACMA - AS/CA S008

Multi-fibre Construction	
Fibre Protection (Secondary)	UV Stabilised LSZH
Peripheral Strength Members	High Modulus Aramid Yams
Longitudinal Water Tightness	Water Swellable Elements (Dry-Core Technology)
Sheath	UV Stabilised LSZH

This tight buffered multi-fibre optical cable is suitable for applications in local area network (LAN) including FDDI cabling, ethernet and token ring.

Technical Data

Number of fibres		4	6	8	12	24
Tight buffer diameter	µm	900 ± 50				
Cable nominal diameter	mm	4.8	4.8	5.4	6.2	8.8
Cable nominal weight	kg/km	20	22	26	33	60
Max. installation tension	kN	60 (Short term)				
Max. crush resistance	kN/100mm	At full load 20x Cable OD				
Min. bending radius	mm	At no load 10x Cable OD				
Temperature range	°C	Installation 0 -> +50 Transport & Storage -10 -> +60 Operation 0 -> +70				

OPTICAL CHARACTERISTICS

Please refer to the tight buffered / cabled optical fibre data sheet.

IDENTIFICATION

Technical Data

Number	1	2	3	4	5	6	7	8	9	10	11	12
Colour	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua
Number	1	2	3	4	5	6	7	8	9	10	11	12
Colour	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua

Sheath Colour

SM	OM1	OM3/4	Other colours available on request
Yellow	Orange	Aqua	

NOTE: If there is a particular product not listed that you require, please don't hesitate to contact the JCS Technologies Sales and Support Team today



Sheath Marking

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

JCS TECH (Part Code) (Cores) FIBRE (mode) IN/OUTDOOR LSZH RISER T/N **** MM/YY *****M >> | << *****M

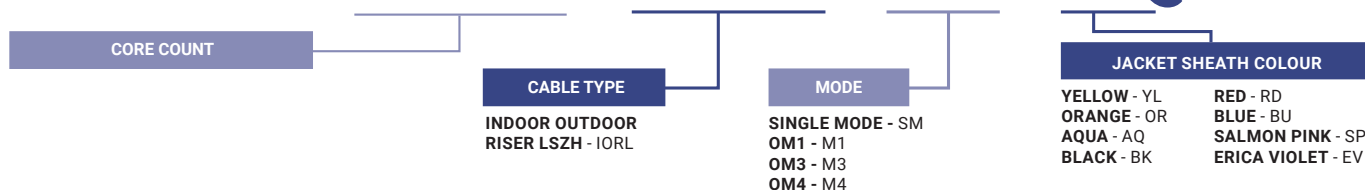
MAIN MECHANICAL CHARACTERISTICS

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: 1m 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 at no load in table above. Bend: 360° (1turn)	No attenuation increase greater than 0.1 dB occurs
Bend under tension	Concurrent to tensile test IEC60794-1-2-E18	Mandrel radius: As per minimum bend radius at full load in table above. Bend: 360° (1turn)	After 1 minute 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: 1000m (minimum) Temperature range: From 0°C to +70°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 0.15dB/km
Water penetration	IEC 60794-1-2-F5B	Sample length: 3m Water height: 1m	No water leakage after 24 hours.

* All optical measurements for singlemode fibres performed at 1550 nm.

EXAMPLE OF PART CODE

JCS-0 0 6-IORL-M3-AQ



LOCAL MANUFACTURE, SALES AND SOLUTIONS



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