



SINCE

2023

National Fibre Optic Solutions

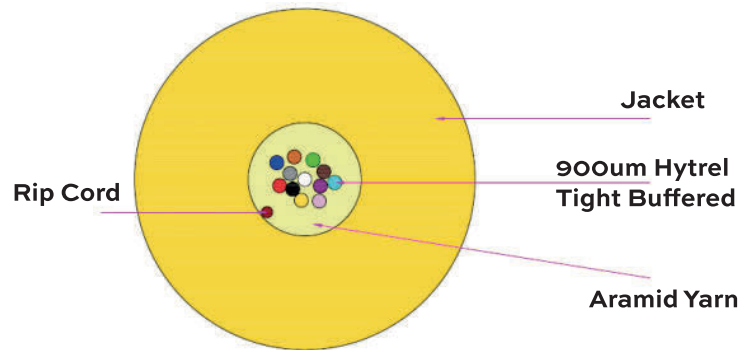
When Quality Matters

Tactical Mining Fibre Optic Cabling G657A2

Fibre Parameters

NO	ITEMS		UNIT	SPEC
1	Mode Field Diameter	1310nm	μm	8.4~9.2
		1550nm	μm	9.3~10.3
2	Cladding Diameter		μm	125±0.7
3	Cladding Non-Circularity		%	≤0.9
4	Core-Cladding Concentricity Error		μm	≤0.4
5	Coating Diameter		μm	240±0.5
6	Coating Non-Circularity		%	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0
8	Cable Cutoff Wavelength		nm	ncc≤1260
9	Attenuation (max.)	1310nm	dB/km	≤0.4
		1550nm	dB/km	≤0.22

Profile View



Cable Parameters

ITEMS		SPEC	
FIBER COUNT		12	24
Tight buffered fiber	Color	Blue / Orange / Green Brown / Grey/ White Red / Black / Yellow Purple / Pink / Turquoise	Blue / Orange / Green Brown / Grey/ White Red / Black / Yellow Purple / Pink / Turquoise
	Dimension	0.9±0.05mm	0.9±0.05mm
	Material	Hytrel	Hytrel
Jacket	Color	Yellow	Yellow
	Dimension	12mm±0.5mm	13mm±0.5mm
	Material	TPU (UV)	TPU (UV)
	Thickness	4.0±0.1mm	4.0±0.1mm
Strengthening component		Aramid yarn 1580*12	Aramid yarn 1580*24

Flame Transmission Tested to AS/NZS 1972:2006

Mechanical and Environmental Characteristics

ITEMS	UNIT	SPEC
Tensile Strength (Long Term)	N	2000
Tensile Strength (Short Term)	N	6000
Crush (Long Term)	N/8cm	4000
Crush (Short Term)	N/8cm	10000
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Installation Temperature	°C	-20~+80
Operating Temperature	°C	-20~+80
Storage Temperature	°C	-20~+80
Net Weight	KG	135
Volume	KG	800*550*800