

Tyco Electronics, Cables Division, Kinmel Park, Bodelwyddan, Rhyl. Denbighshire. LL18 5TZ.

CROSS-SITE MILITARY CABLE

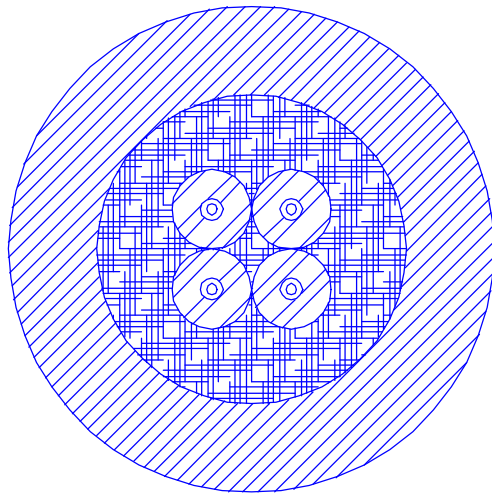
DESCRIPTION :

4 Fibre, Cross-Site Optical Fibre Cable for Military Ground Platforms, TPU Jacket.

SPEC SHEET NO: P01004ISG

ISSUED BY : ISG **ISSUE N° :** 2

ISSUE DATE: 19/09/2002



CABLE DESCRIPTION

- Rugged tight buffered cross-site cable design.
- 4 off optical fibres with 900µm TPE tight buffer
- Aramid yarn reinforcement
- Tough, flexible TPU jacket.
- UV resistant, chemical resistant, microbe resistant.

PHYSICAL PROPERTIES

Cable Diameter	: 5.8± 0.4mm
Nominal Buffer Diameter	: 0.9± 0.05mm
Nominal Cable Weight	: 28.4kg/Km
Fibre Diameter	: 250µm

DRUM TYPE, AND CABLE LENGTH

Reel of 800m Tolerance of ± 10%
P5: Barrel 300mm, Flange 500mm, Traverse 400mm

FIBRE COLOURS : IEC 708-1 / IEC 304

Fibre 1: Blue
Fibre 2: Orange
Fibre 3: Red
Fibre 4: Green

SHEATH COLOUR

Black

(Other colours available)

PRINTING

Tyco Electronics, Year of Manufacture, N° of Fibres, Fibre Type

CABLE PERFORMANCE

Bending Radius Static	35mm	IEC 794-1-E10	EN 187000-513
Bending Radius Dynamic	116mm		
Maximum Pulling Tension	800N	IEC 794-1-E1	EN 187000-501
Crush Resistance	2000N	IEC 794-1-E3	EN 187000-504
Operating Temperature	- 55°C to + 85°C	IEC 794-1-F1	EN 187000-601
Torsion	5 cycles (1 turn/m)	IEC 794-1-E7	EN 187000-508
Impact	5 J	IEC 794-1-E4	EN 187000-505

OPTICAL PERFORMANCE

Bandwidth (MHz.Km)	62.5/125 200/600
Max. Fibre Attenuation (dB/Km)	3.0dB/0.7dB
Max. Cabled Fibre Attenuation (dB/Km)	3.5dB/1.5dB