Product Specification sheet for:

CREST-6

CREST DM FIBER- 4x FIBER 50/125 MULTI-MODE 10 GIG OM3 FIBER BREAK-OUT, OFNR- TEAL- 1000 FT SPOOL

CONSTRUCTION DETAIL

DESCRIPTION

Ths document establishes teh specification requirements for an indoor breakout fiberoptic cable. This cable construction consists of tight-buffered fiber in a sub-unit construction with an overall riser rated PVC jacket.

PHYSICAL CONSTRUCTION

Element A: Tigh Buffered Fiber

- Dimension. 900pm, nominal.
- Tight buffered fiber color code, 1-blue. 2-orange. 3-green, 4-brown, 5-slate. 6-white, 7-red. 8-black, 9-yellow, 10- violet, 11. rose and 12. agua (or Per customer request)

Element B: Sub-unit consisting of 1 fiber per unit

- Thermoplastic Elastometric Material
- Aramid yarns are pulled in with the fight-buffered fiber under the sub unit jacket.
- Dimension, 2.4mm
- Sub-unit color code. 1-blue, 2-orange, 3-green, 4-brown, 5-slate, 6-white, 7-red, 8-black, 9-yellow, 10-violet, 11- rose, 12-aqua or numbered orange channels with white tight buffer. (Or per customer request).

Element C: Sub-unit consisting of 1 fiber per unit

- Central Strength Member (No CSM on 12 fiber cable)
- Fibergass Epoxy Rod (Dielectric)
- If necessary, an up-coat of PVC.

Element D: Cable Core

- Sub-units and fillers if necessary are stranded around the CSM where applicable. A non-wicking and non-hygroscopic polypropylene tape is applied longitudnally with a nominal 25% overlap
- Binder yams are applied over the core tape.

Overall Outer Jacket	PVC

COLOR

Jacket Color:	Teal

MARKING

FIBER OPTIC CABLE, NO. OF FIBERS-501125. 0M3. MM/TY 1000100 YEAR OF MANUFACTURE), OFNR C(ETL)US. SEQUENTIALLY METER MARKED

FIBER CHARACTERISTICS

Fiber Type	Multimode
Maximum Attenuation @ 850/1300nm**	1500/500MHz-km@850/1300
LED Performance (Overfilled Launch bandwidth) 1500/500mhz-km@850/1300	
Laser EMB performance	2000/500 mhz-km@850/1300
Core Diameter, nominal	50 ± 3.0 µm
Cladding Diameter	125.0 ± 2.0 µm
Primary Coating Diameter	245 ± 5 µm
Cladding Non-circularity	<2%
Core clad concentricity	≤3.0µm
Zero dispersion wavelengths	1300-1320nm
Maximum zero disperson slope	0.101 ps/nm^2-km
Numerical aperture	.020 ± .015
Group refractive index @850/1300nm	1.481/1.476
Proof Test	100kpsi

*Guaranteed Gigabit ethernet Distance of300 metr at 850nm for 10Gb/s per IEEE80.3ae and 100meters at 850nm for 1 GB/s per IEEE802.3z.

**Measured attentuations on shiping reel switch not exceed the nominal values by .75dB/km

MECHANICAL CHARACTERISTICS

Min.Bending Radius :

Loaded	20 x Cable diameter
Unloaded	10 x Cable diameter
Max.Pulling Tension	126 LBS
Rated Temperature (°C)	-20~+75

SPECIFICATION CONTROL

Structured Cable Products specifications are subject to change without notice. Please contact a sales representative for a current product specification. Structured Cable Products strives to ensure product specifications are complete, current, and accurate. Please note, all physical specifications are nominal.

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