



TE designs and manufactures a range of single and multi-core Fibre Optic cables offering innovative solutions to interconnect problems. TE's leadership in the field of advanced material technology, coupled with more than 25 years experience of supplying ruggedized cables for marine and military application, ensures superior performance levels in the harshest environments.

### Specification

The materials and types of designs of these breakout cables are compliant with Defence Standard 60-1 and the applicable sections of Defence Standard 61-12 Part 31 which are applicable to uncrosslinked materials.

### Application

These approvals demonstrate the suitability of the cables and fibres for use in high performance and critical Defence marine applications.

### Construction

- **Fibre Type:** 0.9mm tight buffered fibres
- **Fibre Colour:**  
 Single Fibre - black  
 Two Fibres - blue, orange  
 Four Fibres - blue, orange, green, brown
- **First Inner Strength Member:** Served aramid fibre/each fibre
- **Inner Sheath:** UXL 61-12 Part 31 - One core violet, two and three core black
- **Second Inner Sheath:** UXL 61-12 Part 31 - One core none two and three core black
- **Second Inner Strength Member:** Served aramid fibre
- **Outer Sheath:** UXL 61-12 Part 31 - Black
- **Mark:** TE Part Number -SS-Year of Manufacture-051-8822

Anixter Part Number A10DW-	TE Number	Nato Number 6105-99-	Fibre Count	Core/ Cladding um	Maximum Attenuation 850/1300 dB/km	Bandwidth MHz/km	M.B.R	Outside Diameter mm	Weight kg/km	Temp Rating °C
FCE75028B	FCE75028B	051-8822	1	62.5/125	3.5/1.2	160/500	54	5.4	31	85
FCE75027B	FCE75027B	994-9548	2	62.5/125	3.5/1.2	160/500	100	10	105	85
FCE75842A	FCE75842A	n/a	4	62.5/125	3.5/1.2	160/500	111	11.1	125	85