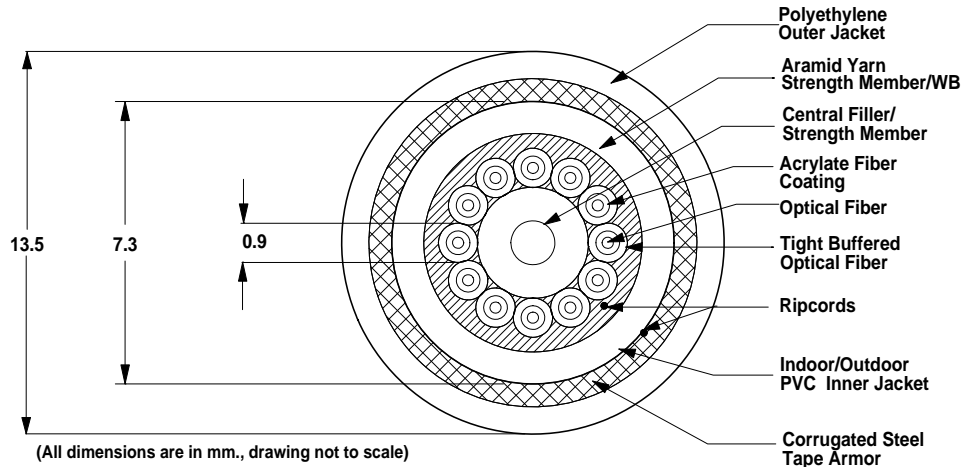


«« PROPRIETARY INFORMATION OF OPTICAL CABLE CORPORATION »»
 DETAIL DRAWING
 12 CHANNEL
 ARMORED TIGHT BUFFERED DISTRIBUTION FIBER OPTIC CABLE
 OPTICAL CABLE CORPORATION P/N:
DX012DALS9KAA2 *
LASER ULTRA-FOX™



| | |
|--|-----------|
| Fiber Type | Multimode |
| Core Diameter | 50 um |
| Cladding Diameter | 125 um |
| Primary Coating Diameter (UV cured acrylate) | 245 um |
| Secondary Buffer Diameter (hard elastomeric) | 900 um |
| Numerical Aperture | 0.20 |
| Proof Test Level | 100 kpsi |

| | | |
|---------------------------|---------------|----------------|
| <u>Wavelength</u> | <u>850 nm</u> | <u>1310 nm</u> |
| Gigabit Ethernet Distance | 600 m | 600 m |
| Maximum Attenuation | 3.5 dB/km | 1.5 dB/km |
| Minimum Laser Bandwidth | 510 MHz-km | 500 MHz-km |
| Minimum LED Bandwidth | 500 MHz-km | 500 MHz-km |

| | | |
|--------------------|-------------------------|-----------------------------|
| | <u>INNER CABLE</u> | <u>ENTIRE ARMORED CABLE</u> |
| Cable Diameter | 7.3 mm (0.28 in) | 13.5 mm (0.53 in) |
| Inner Cable Weight | 42 kg/km (32 lbs/1000') | |
| Total Cable Weight | | 159 kg/km (107 lbs/1000') |

| | | |
|----------------------|-------------------|-------------------|
| INSTALLATION: | | |
| MAX. TENSILE LOAD | 2,700 N (600 lbs) | 2,700 N (600 lbs) |
| MIN. BEND RADIUS | 10.8 cm (4.3 in) | 20.3 cm (8.0 in) |

| | | |
|-------------------|-----------------|------------------|
| OPERATING: | | |
| MAX. TENSILE LOAD | 600 N (135 lbs) | 600 N (135 lbs) |
| MIN. BEND RADIUS | 7.3 m (2.9 in) | 13.5 cm (5.3 in) |

| | | |
|-------------------|--------------|--------------------------|
| IMPACT RESISTANCE | 1500 impacts | 20 impacts (EIA-455-25A) |
| CRUSH RESISTANCE | 1800 N/cm | 650 N/cm (EIA-455-41A) |

| | | |
|--------------------------|--|----------------|
| OPERATING TEMPERATURE | -40°C to +85°C | -40°C to +85°C |
| STORAGE TEMPERATURE | -55°C to +85°C | -55°C to +85°C |
| INSTALLATION TEMPERATURE | -10°C to +60°C (actual temperature of cable) | |