Outdoor Dry Loose Tube Cable


| Temperature Range |  |
| :---: | :---: |
| Operating | $-40^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}$ |
| Storage | $-40^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}$ |
| Installation | $-30^{\circ} \mathrm{C}$ to $+60^{\circ} \mathrm{C}$ |

## Standards:

- ICEA S-87-640
- Telcordia GR-20-CORE
- RoHS

| Glass Type | Fiber Grade Code (x) | Jacket \& Subunit Color | Operating Wavelength (nm) | Max <br> Attenuation (dB/km) | Min. OFL <br> Bandwidth (MHz-km) | Min. Laser Bandwidth (MHz-km) | 1 Gigabit Ethernet Min. Link Length (meters) | 10 Gigabit Ethernet Min. Link Length (meters) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { OM1 - } \\ & \text { 62.5/125mm } \\ & \text { Multi-Mode } \end{aligned}$ | 1 | Black | 850/1300 | 3.25/1.0 | 200/500 | 220/- | 300/500 | 33/- |
| OM3 50/125mm Multi-Mode | 3 | Black | 850/1300 | 3.0/1.0 | 1500/500 | 2000/- | 1000/- | 300/- |
| OM4 50/125mm Multi-Mode | 4 | Black | 850/1300 | 3.0/1.0 | 3500/500 | 4700/- | 1100/- | 400/- |
| OS2 - Single Mode | S | Black | 1310/1550 | 0.35/0.25 | - | - | 5000/- | 10,000/40,000 |

[^0]| Single Jacket All-Dielectric |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fiber Count | Part Number ${ }^{2}$ | Jacket Color | Nom. Jacket Dia. in (mm) | Weight Ibs/1000ft (kg/km) | Max. Install Load Ibs (N) | Max. Long <br> Term Load Ibs (N) | Min. Bend Radius Load | Min. Long Term Bend Radius |
| 6 | FSxL006NC | Black | 0.390 (9.9) | 43 (64) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 12 | FSxL012ND | Black | 0.390 (9.9) | 43 (64) | 600 (2670) | 180 (800) | 15 x Cable OD | 10x Cable OD |
| 24 | FSxL024ND | Black | 0.390 (9.9) | 43 (64) | 600 (2670) | 180 (800) | 15 x Cable OD | 10x Cable OD |
| 36 | FSxL036ND | Black | 0.390 (9.9) | 43 (64) | 600 (2670) | 180 (800) | 15 x Cable OD | 10x Cable OD |
| 48 | FSxL048ND | Black | 0.390 (9.9) | 43 (64) | 600 (2670) | 180 (800) | 15 x Cable OD | 10x Cable OD |
| 72 | FSxL072ND | Black | 0.405 (10.3) | 49 (73) | 600 (2670) | 180 (800) | 15 x Cable OD | 10x Cable OD |
| 96 | FSxL096ND | Black | 0.460 (11.7) | 70 (104) | 600 (2670) | 180 (800) | 15 x Cable OD | 10x Cable OD |
| 144 | FSxL144ND | Black | 0.600 (15.2) | 101 (151) | 600 (2670) | 180 (800) | 15 x Cable OD | 10x Cable OD |

2 Substitute (x) with Fiber Grade Code

Double Jacket All-Dielectric

| Fiber Count | Part Number ${ }^{2}$ | Jacket Color | Nom. Jacket Dia. in (mm) | Weight lbs/1000ft (kg/km) | Max. Install <br> Load Ibs (N) | Max. LoND Term Load Ibs (N) | Min. Bend Radius Load | Min. LoND Term Bend Radius |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6 | FSxH006NC | Black | 0.465 (11.8) | 67 (99) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 12 | FSxH012ND | Black | 0.465 (11.8) | 67 (99) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 24 | FSxH024ND | Black | 0.465 (11.8) | 67 (99) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 36 | FSxH036ND | Black | 0.465 (11.8) | 67 (99) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 48 | FSxH048ND | Black | 0.465 (11.8) | 67 (99) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 72 | FSxH072ND | Black | 0.485 (12.3) | 73 (109) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 96 | FSxH096ND | Black | 0.540 (13.7) | 97 (144) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |
| 144 | FSxH144ND | Black | 0.680 (17.3) | 135 (201) | 600 (2670) | 180 (800) | 15x Cable OD | 10x Cable OD |

2 Substitute (x) with Fiber Grade Code

| Single Jacket Corrugated Steel Armor |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fiber Count | Part <br> Number ${ }^{2}$ | Jacket Color | Nom. Jacket Dia. in (mm) | Weight Ibs/1000ft (kg/km) | Max. Install <br> Load lbs (N) | Max. Long Term Load lbs ( N ) | Min. Bend Radius Load | Min. Long Term Bend Radius |
| 6 | FSxL0066C | Black | 0.530 (13.5) | 94 (140) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 12 | FSxL0126D | Black | 0.530 (13.5) | 94 (140) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 24 | FSxL0246D | Black | 0.530 (13.5) | 94 (140) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 36 | FSxL0366D | Black | 0.530 (13.5) | 94 (140) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 48 | FSxL0486D | Black | 0.530 (13.5) | 94 (140) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 72 | FSxL0726D | Black | 0.530 (13.5) | 99 (147) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 96 | FSxL0966D | Black | 0.610 (15.5) | 124 (185) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 144 | FSxL1446D | Black | 0.730 (18.5) | 166 (247) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |


| Double Jacket Corrugated Steel Armor |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fiber Count | Part Number ${ }^{2}$ | Jacket Color | Nom. Jacket Dia. in (mm) | Weight Ibs/1000ft (kg/km) | Max. Install <br> Load lbs (N) | Max. LoND <br> Term Load lbs (N) | Min. Bend Radius Load | Min. LoND Term Bend Radius |
| 6 | FSxH0066C | Black | 0.570 (14.5) | 116 (173) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 12 | FSxH0126D | Black | 0.570 (14.5) | 117 (174) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 24 | FSxH0246D | Black | 0.570 (14.5) | 117 (174) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 36 | FSxH0366D | Black | 0.570 (14.5) | 117 (174) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 48 | FSxH0486D | Black | 0.570 (14.5) | 117 (174) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 72 | FSxH0726D | Black | 0.610 (15.5) | 125 (186) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 96 | FSxH0966D | Black | 0.650 (16.5) | 154 (229) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |
| 144 | FSxH1446D | Black | 0.810 (20.6) | 202 (301) | 600 (2670) | 180 (800) | 20x Cable OD | 10x Cable OD |

2 Substitute (x) with Fiber Grade Code
${ }^{1}$ This design incorporates one or more moisture blocking agents located between the outside of each fiber bundle and the inner wall of each loose-tube, but not within each fiber bundle itself, so as to protect the outside of each fiber bundle, and thus prevent water penetration along the length of the loose-tube.

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