



STAR-LINE EX®

Hybrids- Fiber Optic and Copper



Cert. No. ATEX 03ATEX1101X



Cert. No.: IECEX SIR 10.0064X

Ex Zone 1 & 2

II 2 GD

Ex db IIC T* Gb *

Ex db eb IIC T* Gb

Ex op pr IIC T* Gb

Ex op is IIC T4 Gb

Ex db op is IIC T* Gb

Ex db op pr IIC T* Gb

Ex db eb op is IIC T* Gb

Ex db eb op pr IIC T* Gb

Ex tb IIIC T*°C Db

Fiber Optics*

Easy field cleaning

Full Kevlar strain relief

(>400lbs pull)

UPC Fiber Optic

MM typical IL: 0.3dB

MM max IL: 0.75dB

SM typical IL: 0.4dB

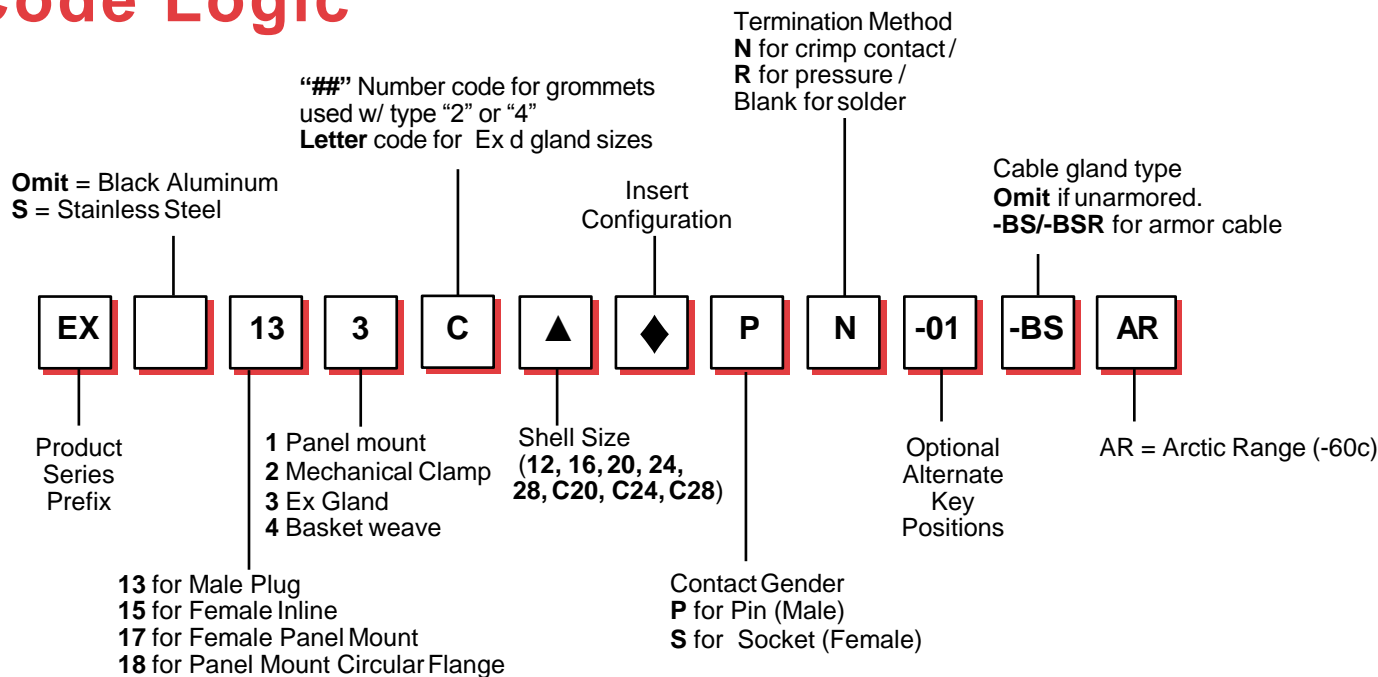
SM max IL: 0.75dB

| Connector Style | Standard Marking | Fibre Optic Marking | Ambient Temp. (°C) | Amperage Restriction | Max. Temp. at entry point (°C) | Min. Cable Rating (°C) |
|------------------------------------|----------------------|---------------------|--------------------|----------------------|--------------------------------|------------------------|
| 13-2, 15-2, 17-2, 13-4, 15-4, 17-4 | Ex d IIC T6 Gb | Ex op pr IIC T6 Gb | -60 to +40 | See note A | 70 | 90 |
| | Ex tb IIIC T80°C Db | Ex op is IIC T6 Gb | | | | |
| | Ex d IIC T5 Gb | Ex op pr IIC T5 Gb | -60 to +55 | See note A | 70 | 90 |
| 13-3, 15-3, 17-3 | Ex tb IIIC T95°C Db | Ex op is IIC T4 Gb | | | | |
| | Ex d IIC T4 Gb | ---- | -60 to +55 | 1135-1490 A | 135 | 135 |
| | Ex tb IIIC T130°C Db | | | | | |
| 17-1 | Ex d IIC T6 Gb | Ex op pr IIC T6 Gb | -60 to +40 | See note A | 70 | 90 |
| | Ex tb IIIC T80°C Db | Ex op is IIC T6 Gb | | | | |
| | Ex d IIC T5 Gb | Ex op pr IIC T5 Gb | -60 to +55 | See note A | 70 | 90 |
| 18-1 | Ex tb IIIC T95°C Db | Ex op is IIC T4 Gb | | | | |
| | Ex d IIC T4 Gb | ---- | -60 to +55 | 1135-1490 A | 135 | 135 |
| | Ex tb IIIC T130°C Db | | | | | |
| 18-1 | ---- | ---- | ---- | ---- | ---- | ---- |
| | Ex de IIC T6 Gb | Ex op pr IIC T6 Gb | -60 to +40 | See note A | 70 | 90 |
| | Ex tb IIIC T80°C Db | Ex op is IIC T6 Gb | | | | |
| | Ex de IIC T5 Gb | Ex op pr IIC T5 Gb | -60 to +55 | See note A | 70 | 90 |
| 18-1 | Ex tb IIIC T95°C Db | Ex op is IIC T4 Gb | | | | |
| | Ex de IIC T4 Gb | ---- | -60 to +55 | 1135-1490 A | 135 | 135 |
| | Ex tb IIIC T130°C Db | | | | | |
| | Ex de IIC T6 Gb | Ex op pr IIC T6 Gb | -60 to +40 | See note A | 70 | 90 |
| 18-1 | Ex tb IIIC T80°C Db | Ex op is IIC T6 Gb | | | | |
| | Ex de IIC T5 Gb | Ex op pr IIC T5 Gb | -60 to +55 | See note A | 70 | 90 |
| | Ex tb IIIC T95°C Db | Ex op is IIC T4 Gb | | | | |
| | Ex de IIC T4 Gb | ---- | -60 to +55 | 1135-1490 A | 135 | 135 |
| 18-1 | Ex tb IIIC T130°C Db | | | | | |

Note A: Amperage always limited by shell size and never greater than 1135 A in any case.

* For applications requiring different optical parameters please consult factory

Code Logic



| ▲ - ◆ | Contact (AWG) | 16 | 12 | 10 | Fiber Optic | |
|----------|-----------------|----------------|-----|-----|-------------|-------|
| | | Contact (sqmm) | 1.5 | 4.0 | 6.0 | F-O |
| | | Cert Amps | 16 | 30 | 40 | OP-PR |
| 12 - F10 | FO UPC | | | | 4 | |
| 12 - F11 | FO Angle Polish | | | | 4 | |
| 12 - F12 | FO UPC | | | | 6 | |
| 12 - F13 | FO Angle Polish | | | | 6 | |
| 12 - F14 | FO UPC | | 2 | | 2 | |
| 12 - F15 | FO UPC | 3 | | | 2 | |
| 12 - F24 | FO MT Based | | 3 | | 24 | |
| 12 - F25 | FO UPC | 4 | | | 4 | |
| 16 - F04 | FO UPC | 6 | 3 | | 8 | |
| 16 - F04 | FO UPC | 6 | 3 | | 8 | |
| 16 - F05 | FO Angle Polish | | | | 12 | |
| 16 - F06 | FO Angle Polish | | | | 18 | |
| 16 - F07 | FO Angle Polish | | | | 24 | |
| 16 - F08 | FO UPC | | 6 | | 4 | |
| 16 - F09 | FO MT Based | | | | 192 | |
| 16 - F16 | FO UPC | | | | 12 | |
| 16 - F17 | FO UPC | | | | 18 | |
| 16 - F18 | FO UPC | | | | 24 | |
| 16 - F19 | FO UPC | | | | 48 | |
| 16 - F20 | FO UPC | | 4 | | 8 | |
| 16 - F21 | FO UPC | 6 | | | 4 | |
| 16 - F22 | FO UPC | 6 | | | 6 | |
| 16 - F23 | FO UPC | | | 4 | 8 | |
| 20 - F01 | FO UPC | | 4 | | 8 | |
| 20 - F02 | FO UPC | | 8 | 8 | 8 | |
| 20 - F03 | FO UPC | 9 | 12 | | 12 | |

These connectors are sold as part of “plug and play”, fully tested assemblies.
Please contact Amphenol or an authorized distributor for more information