



## ChimeraX 2~48F Fire Resistant Cable SST Uni Tube with Steel Tape Armour

### Flame Resistant

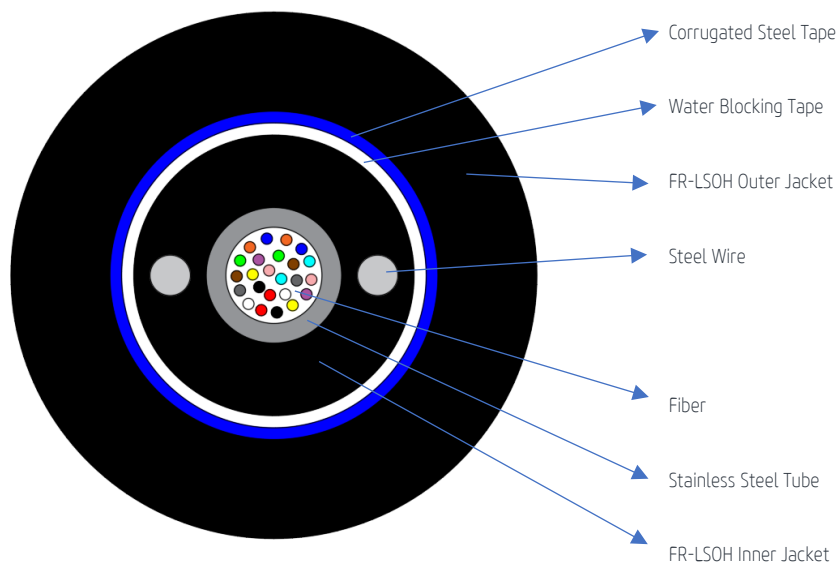
BS 6387 CWZ  
IEC 60331-25  
IEC 61034-2  
IEC 60332-1  
IEC 60332-3  
IEC 60754-1.-2  
ASTM D-2863

### Design Reference

IEC 60794-1-1/2  
IEC 60794-3  
IEC 60794-1-21-E1  
IEC 60794-1-21-E3  
IEC 60794-1-21-E4  
IEC 60794-1-21-E6  
IEC 60794-1-21-E7  
IEC 60794-1-22-F1  
IEC 60794-1-22-F5B  
IEC 60794-1-21-E14

### Application

Mining Project  
Oil & Gas Project  
Fire Sensitive Environment



## Technical data

|                                 |                                |    |      |     |     |     |
|---------------------------------|--------------------------------|----|------|-----|-----|-----|
| Number of Fiber                 | Up to 48F                      |    |      |     |     |     |
| Fiber Tube                      | Stainless Steel Tube           |    |      |     |     |     |
| Filling Compound                | Fiber Jelly                    |    |      |     |     |     |
| Strength Member                 | Horizontal Placed 2 Steel Wire |    |      |     |     |     |
| Strength Member Diameter (Nom.) | 0.6mm                          |    |      |     |     |     |
| Fiber Model                     | G657A1/G657A2                  |    |      |     |     |     |
| Inner Jacket                    | FR-LSOH                        |    |      |     |     |     |
| Jacket Color                    | Black                          |    |      |     |     |     |
| Armour                          | Corrugated Steel Tape          |    |      |     |     |     |
| Outer Jacket                    | FR-LSOH                        |    |      |     |     |     |
|                                 |                                |    |      |     |     |     |
| Element                         | 4F                             | 6F | 12F  | 24F | 36F | 48F |
| Tube OD(mm)                     | 2.5                            |    | 3.6  |     |     |     |
| Cable OD(mm) Nom.*              | 12                             |    | 13.1 |     |     |     |
| Cable Weight (kg/km)*           | 215                            |    | 235  |     |     |     |

\*The cable weight and OD value for reference only. The actual value shall be measured after commissioning production



### Working Condition

Storage Temperature

-40°C ~ +70°C

Installation Temperature:

-20°C ~ +60°C

Operation Temperature

-40°C ~ +70°C

### Min. Allowable Bending Radius

Static: > 10 D

Dynamic: >20 D

D is the out diameter of the cable

### Environment Friendly

RoHS 2(2011/65/EU)

Compliance

## Fiber Color

|       |      |        |        |        |       |       |                     |
|-------|------|--------|--------|--------|-------|-------|---------------------|
| No.   | 1    | 2      | 3      | 4      | 5     | 6     | No Ring on Fiber    |
| Color | Blue | Orange | Green  | Brown  | Slate | White |                     |
| No.   | 7    | 8      | 9      | 10     | 11    | 12    |                     |
| Color | Red  | Black  | Yellow | Violet | Pink  | Aqua  | One Ring on Fiber   |
| No.   | 13   | 14     | 15     | 16     | 17    | 18    |                     |
| Color | Blue | Orange | Green  | Brown  | Slate | White |                     |
| No.   | 19   | 20     | 21     | 22     | 23    | 24    | Two Ring on Fiber   |
| Color | Red  | Black  | Yellow | Violet | Pink  | Aqua  |                     |
| No.   | 25   | 26     | 27     | 28     | 29    | 30    |                     |
| Color | Blue | Orange | Green  | Brown  | Slate | White | Three Ring on Fiber |
| No.   | 31   | 32     | 33     | 34     | 35    | 36    |                     |
| Color | Red  | Black  | Yellow | Violet | Pink  | Aqua  |                     |
| No.   | 37   | 38     | 39     | 40     | 41    | 42    | Three Ring on Fiber |
| Color | Blue | Orange | Green  | Brown  | Slate | White |                     |
| No.   | 43   | 44     | 45     | 46     | 47    | 48    |                     |
| Color | Red  | Black  | Yellow | Violet | Pink  | Aqua  |                     |

## Fiber Characteristics

Please check the Hermesys raw fiber spec

## Mechanical Characteristics\*

|                  |            |       |
|------------------|------------|-------|
| Tensile Strength | Short Term | 3000N |
| Tensile Strength | Long Term  | 1000N |
| Crush Strength   | Short Term | 3000N |
| Crush Strength.  | Long Term  | 1000N |



## Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS CHIMERAX BS6387 CWZ FIRE RESISTANT CABLE <FIBER TYPE> XX F <P/N> WWYYYY XXXXM

## Shipping Information

Packing Method

Wooden Drum with Protection

Delivery Length

Maximum 4km per drum with  $\pm 3\%$  tolerance

