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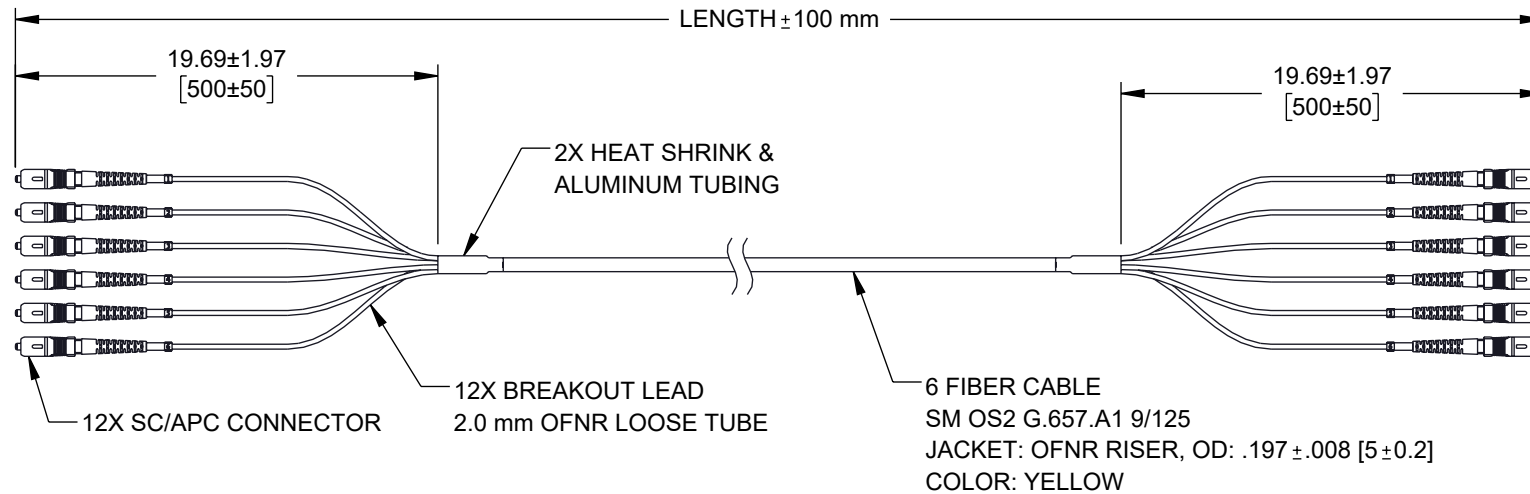
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## REVISION

| ZONE | REV | DESCRIPTION     | DATE       | CHANGED BY | APPROVED   |
|------|-----|-----------------|------------|------------|------------|
|      | A   | INITIAL RELEASE | 07/26/2024 | KGLEBOVA   | NOTTINGHAM |



## CABLE SPECIFICATIONS

| ITEM                                    | SPECIFICATION                     |
|-----------------------------------------|-----------------------------------|
| TIGHT BUFFER DIAMETER                   | .033 $\pm$ .002 [0.85 $\pm$ 0.05] |
| TIGHT BUFFER MATERIAL                   | PVC                               |
| MIN. BEND RADIUS<br>(D: CABLE DIAMETER) | 7.5D mm STATIC<br>15D mm DYNAMIC  |
| SHORT-TERM TENSILE                      | 320 N                             |
| LONG-TERM TENSILE                       | 160 N                             |
| SHORT-TERM CRUSH RESISTANCE             | 1000 N/100 mm                     |
| LONG-TERM CRUSH RESISTANCE              | 300 N/100 mm                      |
| STRENGTH MEMBER                         | ARAMID YARN                       |

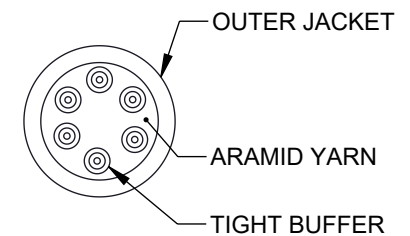
## OPTICAL SPECIFICATIONS

| FIBER TYPE     | SINGLE MODE   |
|----------------|---------------|
| INSERTION LOSS | $\leq 0.3$ dB |
| RETURN LOSS    | $\geq 60$ dB  |

## ITEM NUMBER

## LENGTH

|                    | METERS | FEET  |
|--------------------|--------|-------|
|                    |        |       |
| FCA-6S2SCASCAR2-05 | 5.0    | 16.40 |
| FCA-6S2SCASCAR2-10 | 10.0   | 32.81 |
| FCA-6S2SCASCAR2-15 | 15.0   | 49.21 |



## NOTES:

- ALL CONNECTORS ACCOMPANIED WITH A DUST CAP INSTALLED (NOT SHOWN).
- CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED AND LABELED.

## REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION).

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DIMENSIONS IN [ ] ARE MILLIMETERS

## TOLERANCES:

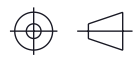
|                           |                         |
|---------------------------|-------------------------|
| X = $\pm 2$ [5]           | FRACTIONS<br>$\pm 1/32$ |
| .XX = $\pm 0.02$ [0.5]    | ANGLES $\pm 1^\circ$    |
| .XXX = $\pm 0.005$ [0.13] |                         |

CABLE LENGTH TOLERANCES:  
 $\leq 12$  [305] =  $\pm 1$  [25] / -0  
 $>12$  [305]  $\leq 60$  [1524] =  $\pm 2$  [51] / -0  
 $>60$  [1524]  $\leq 120$  [3048] =  $\pm 4$  [102] / -0  
 $>120$  [3048]  $\leq 300$  [7620] =  $\pm 6$  [152] / -0  
 $>300$  [7620] =  $\pm 5\%$  / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY  
AND SUBJECT TO CHANGE WITHOUT NOTICE.  
UN-DIMENSIONED/NON-CRITICAL FEATURES  
MAY VARY IN SIZE AND LOCATION  
COLORS MAY VARY

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INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

|       |        |
|-------|--------|
| SCALE | SHEET  |
| NONE  | 1 OF 1 |

## DESCRIPTION

FIBER DIST CABLE, 6 STRAND SC/APC-SC/APC OS2, 5 mm  
RISER JKT, 2.0 mm BREAKOUT AT .5M

| SIZE | CAGE CODE | DRAWN BY | ITEM NO.        | REV |
|------|-----------|----------|-----------------|-----|
| A    | 43321     | KGLEBOVA | FCA-6S2SCASCAR2 | A   |

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