

NOTES: THIS IS A GERNERAL DEPICTION OF QUICKTREX MTP TRUNK ASSEMBLY BUILD SPECIFICATIONS. FOR FURTHER CUSTOMIZATION CONTACT LANSHACK.



MTP® FIBER OPTIC TRUNK CABLE ASSEMBLY BUILD SPECIFICATIONS

- MATERIALS AND COMPONENTS ARE RoHS/REACH COMPLIANT.
- CONNECTORS ARE GENUINE US CONEC® CONNECTORS AND MEET THE REQUIREMENTS OF ANSI/TIA 568-C.3.
- ALL FIBER WILL BE CORNING® GLASS OR EQUIVALENT ONLY IF OTHERWISE STATED.
- ALL MTP ASSEMBLIES WILL BE CONSTRUCTED USING 3 MM FURCATION TUBING FOR EACH 12 FIBER LEG. FOR 12 STRAND ASSEMBLIES THERE WILL BE NO BREAKOUT. CONNECTORS WILL CONNECT DIRECTLY TO OR MEET OUTER JACKET OF CABLE
 - FURCATION TUBING WILL BE COLOR CODED OR SEQUENTIALLY LABELED.
- THE BUFFER TUBES WILL BE FASTENED TO THE OUTER JACKET USING HEAT SHRINK TUBING.
 - HEAT SHRINK TUBING WILL BE USED AT:
 - THE TRANSITION FROM THE BUFFER TUBES TO THE CABLE JACKET.
 - WHERE THE BASKET MEETS THE TURN BUCKLE (PULLEYE HOOK).
 - WHERE THE BASKET ENDS AND THE CONNECTS WITH THE CABLES JACKET.
- ONE WRAP AROUND LABEL IS ATTACHED TO EACH END FOR IDENTIFICATION. THE LABEL WILL INCLUDE THE PART # AND INDIVIDUAL SERIAL NUMBER.
- THE BREAKOUT AND CONNECTORS WILL BE PACKAGED IN CLEAR STRETCH PLASTIC TO PROTECT FROM CONTAMINANTS.
- OPTIONAL PULLEYES / BASKETS ARE MADE FROM SUPER STRONG POLYETHYLENE MESH AND FEATURE A FREE SPINNING BUCKLE TO ELIMINATE TWISTING OF THE CABLE DURING THE PULL.
- BREAKOUT LENGTHS VARY DEPENDING ON CHOICE MADE FROM 12" TO 30".
 - CONNECTORS STAGGERED BY 1 INCH INCREMENTS.
 - CONNECTOR ONE IS THE LONGEST LEG
- ALL MTP CONNECTIONS ARE POLISHED AND TESTED IN ACCORDANCE WITH IEC STANDARDS AND SPECIFICATIONS FOR INSERTION LOSS AND RETURN LOSS. FIBER ENDS ARE 100% TESTED FOR OPTICAL PERFORMANCE AND INSPECTED WITH A FIBERSCOPE FOR SURFACE DEFECTS INCLUDING CRACKING, PITTING, AND SCRATCHES ON THE GLASS SURFACE. ALL ENDS ARE TESTED UTILIZING A PROFESSIONAL GRADE LOSS TEST SET TO THE FOLLOWING STANDARDS:
12 FIBER MTP AVERAGE INSERTION LOSS: OM3, OM4, OM5 = 0.3dB SINGLEMODE = 0.5dB
24 FIBER MTP AVERAGE INSERTION LOSS: OM3, OM4, OM5 = 0.50dB SINGLEMODE = 0.75dB
NOTE ON LOSS OVER DISTANCE:
MULTIMODE (OM3, OM4, & OM5): MAX. ATTENUATION OF 3.5 dB PER km @ 850nm AND 1.5dB PER km @ 1300nm
SINGLEMODE: MAX. ATTENUATION OF 0.5 dB PER km @ 1310nm AND 0.4dB PER km @ 1550nm
***INTERFEROMIC TESTING IS AVAILABLE UPON REQUEST**

| QUICKTREX BUILD MATERIAL LIST | | |
|-------------------------------|--------|--|
| ITEM | QTY | COMPONENT |
| 8 | VARIES | SWIVEL PULLING EYE & MESH BASKET |
| 10 | 1 | SPOOL |
| 10 | 1 | REEL LABEL |
| 6 | 2 | QUICKTREX CABLE LABEL |
| 5 | VARIES | HEAT SHRINK TUBING |
| N/A | 1 | TEST REPORT |
| 4 | VARIES | 3.0mm FURCATION TUBING |
| 4 | 1 | CORNING GLASS OR EQUIVALENT DISTRIBUTION FIBER |
| 2 | VARIES | US CONEC MTP FIBER OPTIC CONNECTORS |

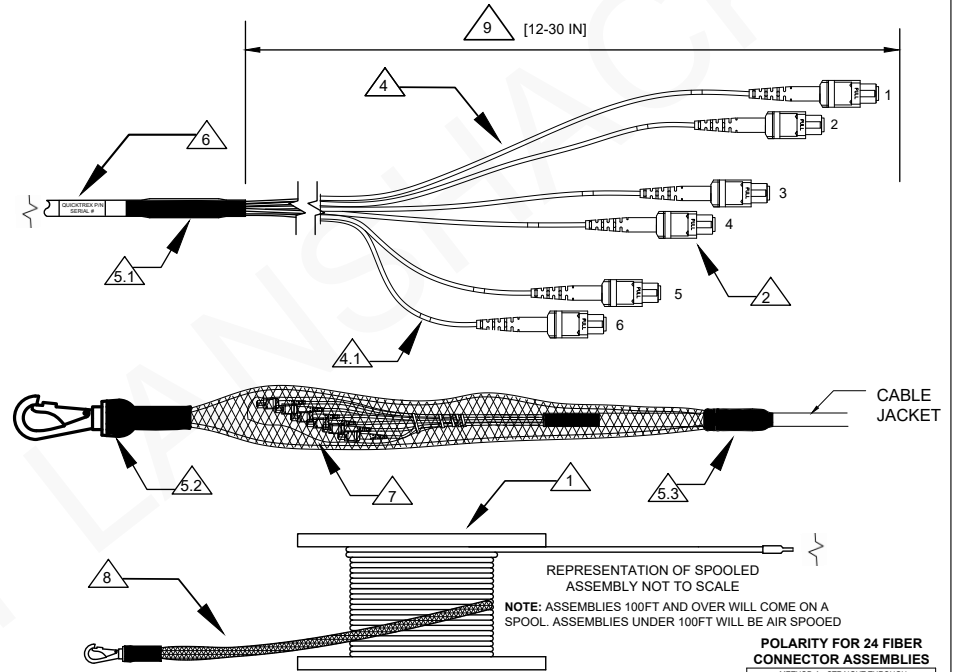
| FIBER TYPE OPTIONS | |
|---|-----------------------|
| OM3 (50/125), OM4 (50/125), OM5(50/125) SINGLEMODE (OS2) | |
| CONNECTOR OPTIONS | |
| MALE (WITH PINS) | FEMALE (WITHOUT PINS) |
| | |
| POLISH TYPES: | |
| UPC: STANDARD FOR MULTIMODE APC: STANDARD FOR SINGLEMODE | |
| ISO 9001 CERTIFIED | |

POLARITY OPTIONS FOR 12 FIBER CONNECTOR ASSEMBLIES

| METHOD A - STRAIGHT THROUGH | | | METHOD B - FULLY FLIPPED | | | METHOD C - PAIR FLIP | | |
|---------------------------------|-------------|---------------------------------|---------------------------------|-------------|---------------------------------|---------------------------------|-------------|---------------------------------|
| SIDE 1 CONNECTOR POSITION | FIBER COLOR | SIDE 2 CONNECTOR POSITION | SIDE 1 CONNECTOR POSITION | FIBER COLOR | SIDE 2 CONNECTOR POSITION | SIDE 1 CONNECTOR POSITION | FIBER COLOR | SIDE 2 CONNECTOR POSITION |
| 1 | BLUE | 1 | 1 | BLUE | 12 | 1 | BLUE | 2 |
| 2 | ORANGE | 2 | 2 | ORANGE | 11 | 2 | ORANGE | 1 |
| 3 | GREEN | 3 | 3 | GREEN | 10 | 3 | GREEN | 4 |
| 4 | BROWN | 4 | 4 | BROWN | 9 | 4 | BROWN | 3 |
| 5 | SLATE | 5 | 5 | SLATE | 8 | 5 | SLATE | 6 |
| 6 | WHITE | 6 | 6 | WHITE | 7 | 6 | WHITE | 5 |
| 7 | RED | 7 | 7 | RED | 6 | 7 | RED | 8 |
| 8 | BLACK | 8 | 8 | BLACK | 5 | 8 | BLACK | 7 |
| 9 | YELLOW | 9 | 9 | YELLOW | 4 | 9 | YELLOW | 10 |
| 10 | VIOLET | 10 | 10 | VIOLET | 3 | 10 | VIOLET | 9 |
| 11 | ROSE | 11 | 11 | ROSE | 2 | 11 | ROSE | 12 |
| 12 | AQUA | 12 | 12 | AQUA | 1 | 12 | AQUA | 11 |

POLARITY FOR 24 FIBER CONNECTOR ASSEMBLIES

| METHOD A - STRAIGHT THROUGH | | | METHOD B - FULLY FLIPPED | | | METHOD C - PAIR FLIP | | |
|-----------------------------|-------------|-------------------------|--------------------------|-------------|-------------------------|-------------------------|-------------|-------------------------|
| POSITION CONNECTOR 1 | FIBER COLOR | POSITION CONNECTOR 2 | POSITION CONNECTOR 1 | FIBER COLOR | POSITION CONNECTOR 2 | POSITION CONNECTOR 1 | FIBER COLOR | POSITION CONNECTOR 2 |
| 1 | BLUE | 1 | 1 | BLUE | 24 | 1 | BLUE | 2 |
| 2 | ORANGE | 2 | 2 | ORANGE | 23 | 2 | ORANGE | 1 |
| 3 | GREEN | 3 | 3 | GREEN | 22 | 3 | GREEN | 4 |
| 4 | BROWN | 4 | 4 | BROWN | 21 | 4 | BROWN | 3 |
| 5 | SLATE | 5 | 5 | SLATE | 20 | 5 | SLATE | 6 |
| 6 | WHITE | 6 | 6 | WHITE | 19 | 6 | WHITE | 5 |
| 7 | RED | 7 | 7 | RED | 18 | 7 | RED | 8 |
| 8 | BLACK | 8 | 8 | BLACK | 17 | 8 | BLACK | 7 |
| 9 | YELLOW | 9 | 9 | YELLOW | 16 | 9 | YELLOW | 10 |
| 10 | VIOLET | 10 | 10 | VIOLET | 15 | 10 | VIOLET | 9 |
| 11 | ROSE | 11 | 11 | ROSE | 14 | 11 | ROSE | 12 |
| 12 | AQUA | 12 | 12 | AQUA | 13 | 12 | AQUA | 11 |
| 13 | BLUE | 13 | 13 | BLUE | 2 | 13 | BLUE | 24 |
| 14 | ORANGE | 14 | 14 | ORANGE | 3 | 14 | ORANGE | 23 |
| 15 | GREEN | 15 | 15 | GREEN | 4 | 15 | GREEN | 22 |
| 16 | BROWN | 16 | 16 | BROWN | 5 | 16 | BROWN | 21 |
| 17 | SLATE | 17 | 17 | SLATE | 6 | 17 | SLATE | 20 |
| 18 | WHITE | 18 | 18 | WHITE | 7 | 18 | WHITE | 19 |
| 19 | RED | 19 | 19 | RED | 8 | 19 | RED | 18 |
| 20 | BLACK | 20 | 20 | BLACK | 9 | 20 | BLACK | 17 |
| 21 | YELLOW | 21 | 21 | YELLOW | 10 | 21 | YELLOW | 16 |
| 22 | VIOLET | 22 | 22 | VIOLET | 11 | 22 | VIOLET | 15 |
| 23 | ROSE | 23 | 23 | ROSE | 12 | 23 | ROSE | 14 |
| 24 | AQUA | 24 | 24 | AQUA | 13 | 24 | AQUA | 13 |



DESCRIPTION: THIS IS A SAMPLE REPRESENTATION OF STANDARD QUICKTREX BUILD SPECIFICATIONS

| | | |
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DIMENSIONS: METRIC [IMPERIAL]

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TITLE: QUICKTREX MTP FIBER OPTIC TRUNK CABLE ASSEMBLIES

| SIZE | DWG. NO. | REV |
|---------------------|---------------------|--------------|
| A | QT-MTP-TA-SPECS-100 | B |
| SCALE: NOT TO SCALE | | SHEET 1 OF 1 |