

TYPE TC-ER

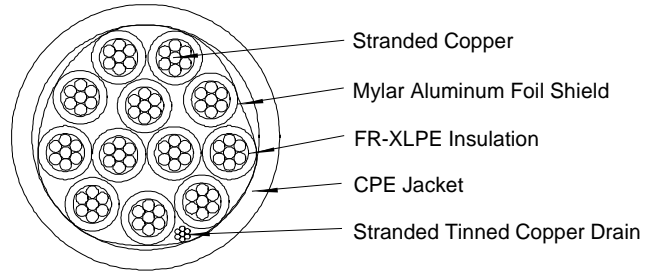
CONTROL CABLE, SHIELDED

FR-XLPE Insulation

Mylar Aluminum Foil Shield w/Tinned Drain

CPE Jacket

600 Volts, 90°C Wet/Dry



APPLICATIONS:

As multi-conductor shielded control or instrumentation cables rated 600 volts, 90°C in dry and wet locations, specifically approved for installation in cable trays per Article 340 of the NEC. Also approved for use in Class 1 remote-control and signaling circuits per Article 725-11(b) of the NEC. TC-ER cables are suitable for use in Class 1, Division 2 hazardous locations. Cables may be installed in open air, in ducts or conduits, in tray or trough, and are suitable for direct burial. All cables when used in accordance with the NEC, meet the requirements of OSHA.

CONSTRUCTION:

Stranded copper conductors, FR-XLPE (Flame-Retardant Cross-Linked Polyethylene) insulated, Method 4 phase-identified (black and numbered); multiple conductors cabled together, fillers, mylar aluminum foil shield with a stranded tinned copper #16AWG drain wire, ripcord, black flame-retardant and sunlight resistant CPE (Chlorinated Polyethylene) jacket overall, surface printed.

STANDARDS:

1. Copper conductors conform to ASTM B-3 & B-8.
2. Insulated conductors conform to UL Standard 44.
3. Type TC-ER per UL 1277.
4. Cables meet or exceed the requirements of IEEE-383 and IEEE-1202 flame tests.
5. Cables are suitable for sunlight resistant and direct burial applications.
6. Cables meet requirements of ICEA S-73-532/NEMA WC57 & ICEA S-95-658/NEMA WC70.

| NO.OF CONDS. | BASIC CAT NO. | O.A. mils | O.D. in. | WEIGHT lbs/mft | BASIC CAT NO. | O.A. mils | O.D. in. | WEIGHT lbs/mft |
|--------------------------|------------------|--------------|-------------|-------------------|------------------|--------------|-------------|-------------------|
| 18 AWG – STRANDED | | | | | | | | |
| 2 | 6-302-SH | 45 | .31 | 55 | 6-352-SH | 45 | .34 | 65 |
| 3 | 6-303-SH | 45 | .33 | 72 | 6-353-SH | 45 | .36 | 80 |
| 4 | 6-304-SH | 45 | .36 | 89 | 6-354-SH | 45 | .39 | 100 |
| 5 | 6-305-SH | 45 | .39 | 112 | 6-355-SH | 45 | .42 | 115 |
| 7 | 6-307-SH | 45 | .42 | 135 | 6-357-SH | 45 | .46 | 145 |
| 8 | 6-308-SH | 45 | .46 | 154 | 6-358-SH | 45 | .49 | 165 |
| 9 | 6-309-SH | 45 | .50 | 167 | 6-359-SH | 60 | .56 | 185 |
| 10 | 6-310-SH | 60 | .56 | 177 | 6-360-SH | 60 | .60 | 200 |
| 12 | 6-312-SH | 60 | .59 | 196 | 6-362-SH | 60 | .62 | 240 |
| 15 | 6-315-SH | 60 | .64 | 223 | 6-365-SH | 60 | .69 | 295 |
| 18 | 6-318-SH | 60 | .67 | 239 | 6-368-SH | 60 | .72 | 350 |
| 19 | 6-319-SH | 60 | .67 | 254 | 6-369-SH | 60 | .72 | 365 |
| 25 | 6-325-SH | 60 | .78 | 314 | 6-375-SH | 80 | .88 | 460 |
| 31 | 6-331-SH | 80 | .85 | 368 | 6-381-SH | 80 | .92 | 580 |
| 34 | 6-334-SH | 80 | .93 | 404 | 6-384-SH | 80 | 1.00 | 620 |
| 37 | 6-337-SH | 80 | .93 | 438 | 6-387-SH | 80 | 1.00 | 675 |
| 38 | 6-338-SH | 80 | .97 | 452 | 6-388-SH | 80 | 1.04 | 695 |

Dimensional data not binding. We reserve the right to alter specifications without notice.
SHIPPING TOLERANCE +/- 10%

6-300..350-SH