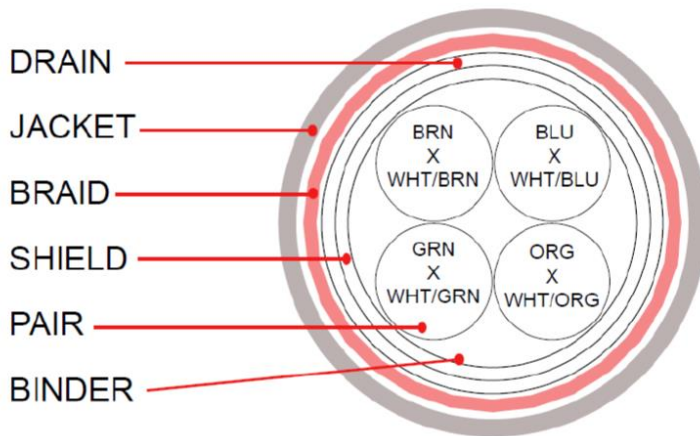


MV Type #: 2 & MI Type #: 9



COLOR CODE

1. BLUE X WHITE / BLUE
2. ORANGE X WHITE / ORANGE
3. GREEN X WHITE / GREEN
4. BROWN X WHITE / BROWN

PHYSICAL PROPERTIES

TEMPERATURE RATING, MAX. 75°C (JACKET 105°C)
TEMPERATURE RATING, MIN.: -40°C

JACKET IS RESISTANT TO:

UV, WELD SPLATTER, MACHINE/CUTTING OIL

CONSTRUCTION

CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER

INSULATION: POLYOLEFIN, .010" NOM. WALL THICKNESS

PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS

CABLE: (4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH A CLEAR POLYESTER BINDER TO FORM A CABLE CORE.

SHIELDS: AN OVERALL ALUMINIZED POLYESTER FOIL SHIELD (FOIL OUT, 100% COVERAGE) SHALL BE APPLIED OVER THE THE CABLE CORE AND SHALL CONTAIN A 26 AWG 7/34 STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH THE METALIZED SURFACE. A SECOND SHIELD OF 38 AWG TINNED COPPER BRAID (85% MINIMUM COVERAGE), SHALL BE APPLIED OVER THE FOIL SHIELD.

JACKET: THERMOPLASTIC ELASTOMER, BLACK, .032" NOM. WALL THICKNESS (PRESURE) OVERALL CABLE DIAMETER .245"

ELECTRICAL CHARACTERISTICS

100m OF CABLE

CAPACITANCE, MUTUAL 13.5 PF/FT. AT 1 MHz
DIELECTRIC WITHSTANDING, MIN 1500V RMS
VOLTAGE RATING, MAX. 300V
D.C. RESISTANCE, MAX. 42.6 Ω /1000'
IMPEDANCE 100 \pm 15 Ω 1 -100 MHz

RETURN LOSS

1 \leq f<10 MHz 20 + 5LOG (f) dB MIN
10 \leq f<20 MHz 25 dB MIN
20 \leq f \leq 100 MHz 25 -8.6LOG(f/20) dB MIN

MINIMUM BEND RADIUS: 10X O.D.



COMPONENTS EXPRESS, INC.

10330 Argonne Woods Drive, Ste100
Woodridge, IL 60517

Spec No. **CABLE TYPE #2, INDUSTRIAL HIFLEX TIC-TOC (CAT-5E)**

Revision: **4**

Date: **8/8/19**