

## Technical Data Sheet

03-06-15 REV. 3

129775

## I. DESCRIPTION:

18 AWG (19X#30), TINNED COPPER, 9 INDIVIDUALLY SHIELDED PAIRS, EACH WITH 20 AWG STRANDED TINNED COPPER DRAIN WIRE, PVC INNER JACKET, ALUMINUM INTERLOCKED ARMOR, PVC JACKET.

## II. **ELECTRICAL CHARACTERISTICS:**

MAX. OPERATING VOLTAGE: 300 VRMS

MAX. CONTINUOUS CURRENT PER

CONDUCTOR @ 25 DEG. C: 2.7 AMPS

NOM. CAPACITANCE BETWEEN

CONDUCTORS OF PAIR @ 1 KHZ: 30 PF/FT.

NOM. CAPACITANCE CONDUCTOR TO

SHIELD @ 1 KHZ\*: 55 PF/FT. NOM IMPEDANCE: 50 OHMS

NOM. INDUCTANCE OF PAIRS: .18 MICRO-H/FT.

NOM. CONDUCTOR OF DC

RESISTANCE @ 20 DEG. C: 6.4 OHMS/1000 FT.

NOM. SHIELD DC RESISTANCE

@ 20 DEG. C: 8.3 OHMS/1000 FT.

\*ONE CONDUCTOR TO OTHER CONDUCTORS AND SHIELD

## III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -20 TO +80 DEG.C INSULATION MATERIAL: POLYPROPYLENE

INNER JACKET MATERIAL: PVC

TYPE SHIELD & % COVERAGE: POLYESTER/ALUM, 100%

TWISTED PAIR LAY LENGTH: 1.75" MAX. PULLING TENSION: 200 LBS.

AN ALUMINUM INTERLOCKED ARMOR AND PVC OUTER JACKET ARE APPLIED OVER THE BELDEN 9775 CORE.

CORE DIAMETER: .66" ARMOR DIAMETER: .86" OVERALL DIAMETER; .965" 9.6" MIN. BEND RADIUS:

NOM. WEIGHT/1000 FT.: 436 LBS.(EST)

APPLICABLE SPECIFICATION: UL & C(UL) TYPE CM,

CSA TYPE CMG,

HAZARDOUS LOCATIONS

UL1685 UL LOADING FLAME RESISTANCE:

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