

QUAD SHIELD PLENUM COAXIAL CABLE

12/13/2006 Rev 1.1

RG6 QUAD 18 AWG 1C Solid BC



PART NUMBER: 181QM

DESCRIPTION: 18 AWG 1 CONDUCTOR SOLID COPPER, GAS INJECTED FOAM FEP DIELECTRIC, 100% BONDED ALUMINUM FOIL/POLYESTER TAPE, 60% ALUMINUM BRAID, 100% ALUMINUM FOIL/POLYESTER TAPE, 40% ALUMINUM BRAID, LOW SMOKE PVC JACKET, SWEPT TO 2.2 GHz, UL/NEC, C(UL)/CEC: CL2P/CMP/FT6

PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -40°C TO +80°C
CONDUCTOR MATERIAL & DIA.: 18 AWG SOLID BARE COPPER
.040"
INSULATION MATERIAL & DIA.: FEP, .168"
SHIELD TYPE & % COVERAGE:
1ST LAYER AL FOIL/POLYESTER TAPE, 100% BONDED
2ND LAYER ALUMINUM BRAID, 60%
3RD LAYER AL FOIL/POLYESTER TAPE, 100%
4TH LAYER ALUMINUM BRAID, 40%
JACKET MATERIAL & THICKNESS: LOW SMOKE PVC, .017"
JACKET COLOR: BLACK, WHITE
OUTSIDE DIAMETER: .268"
FOOTAGE MARKERS: ASCENDING/DESCENDING IN FEET
PACKAGING: REEL
SHIPPING WEIGHT: 57 LBS.

ELECTRICAL CHARACTERISTICS:

IMPEDANCE: 75 OHM
NOM. CAPACITANCE CONDUCTOR TO SHIELD: 16.5 pF/FT
NOM. VELOCITY OF PROPAGATION: 82%
NOM. CONDUCTOR DC RESISTANCE @ 20 DEG.C: 31.9 OHMS/1000 FT

NOM. ATTENUATION:

<u>MHZ</u>	<u>DB/100 FT.</u>	<u>MHZ</u>	<u>DB/100 FT.</u>
50	1.5	600	6.2
100	2.4	900	7.9
200	3.2	2200	14.7
400	4.8		

UL CRITERIA:

UL TYPE OR STYLE: CL2P CMP FT6
FLAME RESISTANCE: UL910 STEINER TUNNEL SMOKE AND FLAME TEST

NOTES:

1. Footage markers printed every two feet.
2. Foil shield is bonded to the dielectric.
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