

QUAD SHIELD SIAMESE COAXIAL CABLE

6/14/2006 Rev. 1.0

RG6 QUAD 2 X 18 AWG 1C Solid BC



PART NUMBER: 181QS

DESCRIPTION: 2 X 18 AWG 1 CONDUCTOR SOLID BARE COPPER, SIAMESE CONSTRUCTION, FOAM PE DIELECTRIC, 100% BONDED ALUMINUM FOIL/POLYESTER TAPE, 40% ALUMINUM BRAID, 100% ALUMINUM FOIL/POLYESTER TAPE, 60% ALUMINUM BRAID, PVC OVERALL JACKET, SWEPT TO 2.25 GHz, CM C(UL) CM

PHYSICAL CHARACTERISTICS (EACH COAX):

TEMPERATURE RATING: -40°C TO +80°C
CONDUCTOR MATERIAL & DIA.: 18 AWG SOLID BARE COPPER, .040"
INSULATION MATERIAL THICKNESS & DIA.: FOAM PE, .07"/.18"
SHIELD TYPE & % COVERAGE:
1ST LAYER AL FOIL/POLYESTER TAPE, 100% BONDED
2ND LAYER ALUMINUM BRAID, 40%
3RD LAYER AL FOIL/POLYESTER TAPE, 100%
4TH LAYER ALUMINUM BRAID, 60%
JACKET MATERIAL & THICKNESS: PVC, .029"
JACKET COLOR: BLACK, WHITE
OUTSIDE DIAMETER: .307" EACH COAX/ .629" TOTAL
FOOTAGE MARKERS: ASCENDING/DESCENDING IN FEET
PACKAGING: REEL
SHIPPING WEIGHT: 66 LBS.

ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 350V
IMPEDANCE: 75 OHM
NOM. INDUCTANCE: .097 uH/FT
NOM. CAPACITANCE CONDUCTOR TO SHIELD: 17.0 pF/FT
NOM. VELOCITY OF PROPAGATION: 80%

NOM. ATTENUATION:

<u>MHZ</u>	<u>DB/100 FT.</u>	<u>MHZ</u>	<u>DB/100 FT.</u>
50	1.5	1000	7.0
100	2.1	1500	9.9
200	3.1	1800	10.8
400	4.4	2250	12.0
700	6.0		

UL CRITERIA:

UL TYPE OR STYLE: CM
FLAME RESISTANCE: UL1581 VERTICAL TRAY

NOTES:

1. Footage markers printed every two feet.
2. Foil shield is bonded to the dielectric.
3. While Signature Wire Corp. has made every reasonable effort to ensure the accuracy of these specifications, information contained herein may be subject to error and omission and to change without notice. Signature Wire Corp. provides these specifications on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied.