

QUAD SHIELD COAXIAL CABLE

09/28/06 REV 1.0

14 AWG 1C Solid BCCS



PART NUMBER: 141Q

DESCRIPTION: 14 AWG 1 CONDUCTOR SOLID BARE COPPER-COVERED STEEL, GAS INJECTED FOAM PE DIELECTRIC, 100% BONDED ALUMINUM FOIL/POLYESTER TAPE, 60% ALUMINUM BRAID, 100% ALUMINUM FOIL/POLYESTER TAPE, 40% ALUMINUM BRAID, PVC JACKET, SWEEPED TO 1.0 GHz, UL/NEC, C(UL)/CEC: CM/CATV

PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -40°C TO +80°C
CONDUCTOR MATERIAL & DIA.: 14 AWG SOLID BARE COPPER-COVERED STEEL, .064"
INSULATION MATERIAL & DIA.: GAS-INJECTED FOAM PE, .28"
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: PVC
JACKET COLOR: BLACK
OUTSIDE DIAMETER: .407"
FOOTAGE MARKERS: ASCENDING/DESCENDING IN FEET
MAXIMUM PULLING TENSION: 308 LBS.
MINIMUM BEND RADIUS: 4.5"
PACKAGING: REEL
SHIPPING WEIGHT: 59 LBS./1000 FT.

ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 600V RMS
IMPEDANCE: 75 OHM
NOM. INDUCTANCE: .097 uH/FT
NOM. CAPACITANCE CONDUCTOR TO SHIELD: 16.2 pF/FT
NOM. VELOCITY OF PROPAGATION: 83%
NOM. DELAY: 1.2 ns/FT
NOM. CONDUCTOR DC RESISTANCE @ 20 DEG.C: 11.0 OHMS/1000 FT
NOM. SHIELD DC RESISTANCE @ 20 DEG. C: 3.0 OHMS/1000 FT
RETURN LOSS: 20 dB MIN, 5-1000MHz

NOM. ATTENUATION:

	<u>MHZ</u>	<u>DB/100 FT.</u>	<u>MHZ</u>	<u>DB/100 FT.</u>
	5	0.38	400	2.47
	55	0.97	450	2.65
	211	1.81	550	2.94
	270	2.05	750	3.50
	300	2.15	870	3.84
	350	2.32	1000	4.23

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.

UL CRITERIA:

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