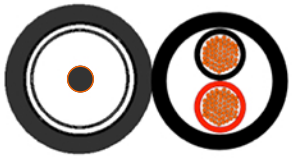
Product Specification

RED RG-59/18-2/CCS

Spec No: S-047

Date: 06/01/2016

Cross Section



Packaging

Spool 500 Ft.

Colors

Description

Description

Rated Voltage (V)	300
Rated Temperature (°C)	75°C
Product Standard Certification	(UL) c(UL) CM
Flame test	UL1581

Application

For applications requiring video and power signal transmission. Most commonly used for CATV applications.

Reference Standard:

UL 13 & 444

Performance

Physical & Electrical Characteristics (at 20°C)

Impedance (ohms)	75+/-3 @ 200MHz
Capacitance (PF/m)	53.1 +/-3
Cond. DC resistant 18AWG	≤21.9 ohms/km
Velocity of propagation (%)	>=82
Spark testing:	2500V/DC

Mechanical Characteristics

Test Object:	Jacket
Test Material:	PVC
Before Tensile Strength (Mpa):	>=13.8
Aging Elongation (%):	>=100
Aging Condition (deg./hrs):	113 +/-1.0, 168
After Tensile Strength (Mpa):	>=85% unaged
Aging Elongation (%):	>=50% unaged
Cold Bend (-20+/-2 deg._4h):	passed

Usage & Environmental Condition

For indoor usage only	-20~75 °C
Storage & Shipping Temp.	0~60 °C
Installation	75 °C
Operation	≥ 15 * Φ
Minimum Bending Radius	

Sequential footmarks applied every four feet in conjunction with the print legend. "XXX/XXX" Stands for Length. eg: 000/1000; 004/0996; 008/0992...

Construction

RG59 CABLE

Center conductor	Copper-Clad Steel CCS
AWG	20
Diameter	0.813mm
Insulation	Foam PE with skin
Nominal thickness	1.42mm
Insulation Diameter	3.66 +/- 0.08mm
Braiding Shield	Aluminum
Coverage	>= 93%
Jacket:	PVC
Outer Diameter	5.95 +/- 0.1mm

POWER CABLE

Conductor	Stranded bare copper
AWG	18
Insulation	PVC
Nominal Diameter	1.8mm
Thickness	0.3mm
Jacket	PVC
Nominal Diameter	4.6 +/- 0.2mm
Thickness	0.5 +/- 0.1mm

Compliance

ETL LISTED | RoHS | CL3 | FT4

Jacket Marking (Black)

RED ATOM RG-59/18-2/CCS 20AWG SOLID CCS CENTER + 18AWG 2C E312434-77 (UL) C(UL) CM 75C CAMERA: FRONT DR GATE POOL SIDE A SIDE B PMTR 1 2 3 4 5 6 "RoHS" XXX/XXX FT