

2 Core, 18 AWG, BC, Shielded, CMR - Security and Sound Cable

Product Description

Security & Commercial Audio Cable, Riser-CMR, 2 Core 18 AWG stranded bare copper conductors with polypropylene insulation shield and PVC jacket with ripcord

Technical Specifications

Product Overview

Environmental Space:	Indoor - Riser
Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	7x26	BC - Bare Copper	2

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PP - Polypropylene	0.062 in	0.008 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Type	Material	Coverage [%]	Drain wire Material	Drain wire AWG	Drain wire Construction n x D
Tape	Aluminum/Polyester	100%	TC - Tinned Copper	24	Stranded (7x32)

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.162 in	0.017 in	Yes



Construction and Dimensions

Cabling

Twists

6.9 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.5 Ohm/1000ft	16.25 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
53 pF/ft	95.5 pF/ft

Inductance

Nominal Inductance

0.145 μ H/ft

Current

Max. Recommended Current [A]

Per conductor @ 25°C: 5 A

Voltage

UL Voltage Rating

300 V RMS

Mechanical Characteristics

Bulk Cable Weight:	18 lbs/1000ft
Max Recommended Pulling Tension:	57.5 lbs
Min Bend Radius/Minor Axis:	1.75 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
CPR Euro class:	Eca

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1666 Vertical Shaft
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6300FH

Ordering Information

Part No.	Description
AN2C-AV18GY-305MT-S	2 Core, 18 AWG, BC, Shielded, CMR - Security and Sound Cable