



2C 18 AWG BC, LSZH, Shielded, All Building Management System

Product Description

Security & Commercial Audio Cable, 2-18 AWG stranded bare copper conductors with polypropylene insulation shield, LSZH jacket with ripcord, CPR Eca

Technical Specifications

Product Overview

Suitable Applications: All Building Management System

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
18	7x26	BC - Bare Copper	1.22 mm	2
Conductor Count:				2



Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	PP - Polypropylene	1.5 mm	0.05 mm	0.2 mm

Color Chart

Number	Color
Wire 1	Black
Wire 2	Red

Outer Shield

Type	Material	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	100%	9 µm	TC - Tinned Copper	AWG24/7

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	4.15 mm	0.4 mm	Provided under sheath



Construction and Dimensions

Cabling

Description
2 wires twisted

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
21.3 Ohm/km	23.6 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
158 pF/m	295 pF/m

Current

Max. Recommended Current [A]
3.5 Amps per Conductor

Voltage

Voltage Rating [V]
300 V

Temperature Range

Installation Temp Range:	-20°C To +70°C
Storage Temp Range:	-30°C To +70°C
Operating Temp Range:	-20°C To +70°C

Mechanical Characteristics

Max. Pull Tension:	90 N
Min. Bend Radius During Installation:	41.5 mm
Min Setting Radius:	20.75 mm

Ordering Information

Part No.	Description
AN-4300FE-305MT	2C 18 AWG BC, LSZH, Shielded, All Building Management System