



Product: 4309FLW ☑

Security & Sound, 12 Conductor 18 AWG, BC, shielded, LSZH, Cca

Product Description

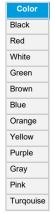
Security & Commercial Audio Cable, 12-18 AWG stranded bare copper conductors with Low Smoke Zero Halogen insulation, Beldfoil® shielded, LSZH jacket with ripcord, CPR Cca

Technical Specifications

Product Overview

Suitable Applications:			Intercom/PA	Systems, Sound/Audio Sys	stems, Control Systems		
Physical Characteristics (Overall)							
Condu	Conductor						
AWG	Strandi	ng Material	Nominal Diameter	No. c	of Conductors		
18	7x26	BC - Bare Copper	1.22 mm	12			
Conductor Count:			12				
Insulation							
Тур	е	Mate	rial		Nominal Diamet	er Diameter +/- Tolerand	e Nominal Wall Thickness
Insulat		H - Low Smoke Zero H ardant)	lalogen (Flame		1.72 mm	0.05 mm	0.25 mm

Color Chart



Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	AWG24/7

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	9.4 mm	1.2 mm	Yes
Table Notes:	Ripo	cord provided under sheath	

Electrical Characteristics

Conductor DCR



Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
100 pF/m	180 pF/m

Current

Max. Recommended Current [A] 3.5 Amps per Conductor

Voltage

Voltage Rating [V]

Temperature Range

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

Mechanical Characteristics

Max. Pull Tension:	480 N
Min. Bend Radius During Installation:	94 mm
Min Setting Radius:	47 mm

Standards

CPR Euroclass:	Cca-s1,d1,a1	

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Cca
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Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	2.5 μS/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 - Smoke Density Min. Transmittance:	60%

Related Part Numbers

Variants

Item # 4309FLW.00500 4309FLW.00305

History

Update and Revision:	Revision Number: 0.20 Revision Date: 02-03-2025

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