

### Highlights:

- 11 AWG thin and dense stranded conductors
- FlamoFlex™ IEC 60332-1 installation jacket
- 4 conductors for 2-channel loudspeaker connection
- IEC 60332-1 NHFR compliant

### Product information:

The CLS440 cable is a 4-core installation loudspeaker cable featuring a flamoFlex™ outer jacket compliant to the IEC60332-1 standard regarding fire and flammability resistance in public installations. The flamoFlex™ material is specifically designed with installers convenience in mind offering a smooth and durable outer jacket for easy installation and pulling. The cable consists of individually NHFR isolated conductors with a section of 4 x 4.0 mm<sup>2</sup> (11 AWG) which are composed out of stranded tinned copper wires. The stranding keeps the cable flexible and easy to handle, while the tinned copper conductor material improves the corrosion and oxidation resistance of the cable, enabling it to be used indoors as well as outside, in humid or marine environments.



### Properties:



### Inner Conductors:



### Product Features:

Application	null
Series	null

## Physical Characteristics:

Type of cable	4-core loudspeaker cable		
Inner conductor	Material	TC 56 x 0.3 mm (Ø) (OFC)	
	Section	0.0062 <sup>“2</sup>	
	Number of conductors	4	
	Insulation	Material	NHFR 3.6 mm (Ø)
		Colours	Black / Red / Blue / Yellow
Separator			Al-Mylar
Inner conductor	American Wire Gauge	11 AWG	
Filling		None	
Outer jacket	Material	NHFR 12 mm (Ø)	
	Colours	Black	

## Standards & regulations:

RoHS2 compliant	According EU Directive 2011/65/EU
Reach compliant	According EC 1907/2006
Flammability test	According IEC 60332-1
Indoor / outdoor	UV resistant (UL1581, UVA, 720 h)
Circuit integrity	n/a
Smoke emissions	According IEC 61034
Zero halogen compounds	According EN 50267-2-1
	IEC 60754

## Electrical Characteristics:

Max. conductor	DC resistance	4.48 (Ω / Km)
Dielectric strength		2 (KV / 1 min. DC)
Rated voltage		300 V

## Mechanical Characteristics:

Temperature range	Fixed installation	- 68 °F till + 176 °F
	Mobile installation	- 59 °F till + 140 °F
Bending radius	Fixed installation	8 x outer diameter
	Mobile installation	10 x outer diameter

Cross sections:

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