



**COAXIAL/R LS0H-S02Y(St)CH 1x0.80 P**  
**Code - 12319**



**Description**

Bare copper conductor. Physical foam polyethylene insulation. Aluminium-polyester-aluminium foil shield. Tinned copper braid shield. Halogen free compound outer sheath.

**PHYSICAL CHARACTERISTICS**

**Conductor**

Material	Bare copper
Section (mm <sup>2</sup> )	0,50
AWG	20
Composition	1 x 0,8

**Insulation**

Material	Physical foam polyethylene
Diameter (mm)	3,70
Colour	natural

**Shielded**

1st. Shield	
Material	Aluminium-polyester-aluminium foil
Coverage	100 %
2nd Shield	
Material	Tinned copper braid
Coverage	90 %

**Outer sheath**

Material	Halogen free compound
Diameter (mm)	6,10
Colour	Black

**Printing**

Inscription	Conduccifil
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**Supply**

Packing	To be defined
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**MECHANICAL CHARACTERISTICS**

Appox. Weight	50,3	Kg/Km
Operating temperature range	-40 / +70	°C
Minimum bending radius	122	mm

**ELECTRICAL CHARACTERISTICS**

Conductor DC resistance at 20° C	34,3	Ω/Km
Shield DC resistance at 20° C	10,2	Ω/Km
Nominal capacitance	54	pF/m
Nominal impedance	75	Ω
Velocity of propagation	82	%
Time delay	4,06	ns/m
Cutoff frequency	34,7	GHz

**Transmission distance**

143 Mb/s (Composite NTSC, SMPTE 259M)	362	m
177 Mb/s (Composite PAL, ITU-R BT, 601)	326	m
270 Mb/s (Component video, Component SMPTE 259M)	263	m
360 Mb/s (Component Wide-screen, SMPTE 259M)	228	m
540 Mb/s (Component Wide-screen, SMPTE 344M)	112	m
1.5 Gb/s (HDTV, SMPTE 292M)	92	m
3,0 Gb/s (3G-SDI HDTV, SMPTE 424M)	79	m

Attenuation	Frequency (MHz)	dB/100 m
	1	1,0
	5	2,1
	10	2,9
	50	5,3
	100	7,1
	500	17,5
	1000	25,1
	1500	30,5
	2000	35,8
	2500	41,3
	3000	44,0
	3500	49,4
	4000	52,9
	4500	56,9



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Return loss	Frequency (MHz)	dB
	0-800	23
	800-4500	21
Insulation resistance	>5000	MΩ*Km
Voltage test	1500	v

**SAFETY**

**FLAME TEST**

Test for vertical flame spread	IEC-60332-1	Compliance
Test for vertical flame spread	IEC-60332-2	<input checked="" type="checkbox"/>
Test for vertical flame spread	IEC-60332-3	<input type="checkbox"/>
It does not emite toxic fumes or halogens	IEC-754-1	<input checked="" type="checkbox"/>
It does not emite corrosive fumes or halogens	IEC-754-2	<input checked="" type="checkbox"/>
Low emision of dense fumes	IEC-1034-1	<input checked="" type="checkbox"/>

**ENVIRONMENT**

Content of hazardous sustances	Directiva 2002/95/CE	Compliance
		<input checked="" type="checkbox"/>

**APPLICABLE SPECIFICATIONS**

Conductor material	UNE-EN 60228	Compliance
Insulation material	UNE-EN 50290	<input checked="" type="checkbox"/>