Technical and Quality department
Can Noguera, s/n (Pol Ind. Barcelonés) 08630-ABRERA Telf +34 93770 20 11 Fax +34 93770 28 54 E-mail conducfil@conducfil.com

DIN EN ISO 9001:2000
Certificado Nº 01 100 88031

TRIAX/F-8 1x0.50 G
Code - 1283

RoHS

Description

Silvered copper conductor. Physical foam polyethylene insulation. Silvered copper braid shield. Polyethylene inner sheath. Bare copper braid shield. PVC-NBR outer sheath.

PHYSICAL CHARACTERISTICS

Conductor

Material	Silvered copper
Section (mm^2)	0,50
AWG	20
Composition	9 x 0,28

Insulation

Material	Physical foam polyethylene
Diameter (mm)	4,50
Colour	natural

Inner shield

1st Shield	
Material	Silvered copper braid
Coverage	90 %

Inner sheath

Material	Polyethylene
Diameter (mm)	6,5
Colour	Natural

Outer shield

1st Shield	
Material	Bare copper braid
Coverage	80 %

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Outer sheath

Material	PVC-NBR
Diameter (mm)	8,5
Colour	Red

Printing

Inscription	Conducfil

Supply

Packing	To be defined

MECHANICAL CHARACTERISTICS

Appox. Weight	86 Kg/km
Operating temperature range	-20 / +80
Minimum bending radius	170 mm

ELECTRICAL CHARACTERISTICS

Conductor DC resistance at 20º C	31,1 Ohms/km
Shield DC resistance at 20º C	7,6 / 6,6 Ohms/Km
Nominal capacitance	54 pF/m
Nominal impedance	75 ohms
Velocity of propagation	82 %

Attenuation	Frequency (MHz)	dB/100 m
	1	0,8
	10	2,6
	20	3,8
	100	6,9

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Return loss	Frequency (MHz)	dB
	0-800	20
	800-1000	23

Insulation resistance	>5000 Mohms * Km
Voltage test	1500 v

SAFETY

FLAME TEST

		Compliance
Test for vertical flame spread	IEC-60332-1	
Test for vertical flame spread	IEC-60332-2	
Test for vertical flame spread	IEC-60332-3	
It does not emite toxic fumes or halogens	IEC-754-1	
It does not emite corrosive fumes or halogens	IEC-754-2	
Low emision of dense fumes	IEC-1034-1	

ENVIRONMENT

		Compliance
Content of hazardous sustances	Directive 2002/95/CE	X

APPLICABLE SPECIFICATIONS

		Compliance
Conductor material	UNE-EN 60228	X
Insulation material	UNE-EN 50290	X

These data cancell all previous data given. Values may vary around 5% maximum.