∬exans

Contact LAN cables Phone: 01908 250840 iandi.sales@nexans.com



For example type 141-50 FEP

High screened coaxial RF- cable with tin soaked braid

Description

Applications

For the internal cabling of transmitter-antennas and generally for measurements and electronic equipment components to be controlled with high frequent signals.

Design

- 1. Conductor : Cu vag (or Staku vag)
- 2. Insulation : Teflon PTFE 5YI1 according to VDE 0207 part 5
- 3. Screen : tin soaked copper braiding
- 4. Outer sheath : Teflon-FEP



Standards International IEC 60096-0-1; IEC 61196-1













density

Standard



Mechanical resistance to impacts Good Cable Operating temp. flexibility range Flexible -40 .. 130 °C

e resistance 0 °C Good

e resistance Yes Chemical resistance Good Electro magnetic interference resistance Yes

Generated 05/09/08 for - http://www.nexans.co.uk

Page 1 / 2

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Mexans

Contact LAN cables Phone: 01908 250840 iandi.sales@nexans.com

ELCURIGID ECR 86-50

Characteristics

Construction characteristics	
Wire colour	Transparent
Insulation	PTFE
Outer sheath	FEP
lectrical characteristics	
Characteristic impedance	50 Ohm
Nominal capacitance core to core	97.0 pF/m
Insulation resistance	10 GOhm.km
Dielectric withstand voltage, 50Hz 1mn	2 kV
Power rating 1Ghz	165 W
Power rating 2Ghz	110 W
Operating voltage 1GHz	90 V
Operating voltage 2GHz	75 V
ransmission characteristics	
Minimal screen attenuation 10-2000 MHz	80 dB
Nominal attenuation 1GHz	73.8 dB
Attenuation, nom. 2 GHz	110.0 dB
Attenuation, max. 1 GHz	82 dB
Attenuation, max. 2 GHz	125 dB
Nechanical characteristics	
Mechanical resistance to impacts	Good
Cable flexibility	Flexible
Isage characteristics	
Operating temperature, range	-40 130 °C
Max. conductor temperature in service	260 °C
Weather resistance	Good
Oil resistance	Yes
Chemical resistance	Good
Smoke density	Standard
Electro magnetic interference resistance	Yes

Selling delivery information

- Marking : optional
- Core identification : transparent insulation
- Warning : multiple bending decreases the screening effectiveness

Generated 05/09/08 for - http://www.nexans.co.uk

Page 2 / 2

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.