

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 5Y11 according to VDE 0207 part 5
3. Screen : tin soaked copper braiding
4. Outer sheath : Teflon-FEP



Standards

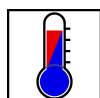
International IEC 60096-0-1;
IEC 61196-1



Mechanical
resistance to impacts
Good



Cable
flexibility
Flexible



Operating temp.
range
-40 .. 130 °C



Weather
resistance
Good



Oil
resistance
Yes



Chemical
resistance
Good



Smoke
density
Standard



Electro magnetic
interference resistance
Yes

ELCURIGID ECR 86-50

Characteristics

Construction characteristics	
Wire colour	Transparent
Insulation	PTFE
Outer sheath	FEP
Electrical 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
Transmission 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
Mechanical characteristics	
Mechanical resistance to impacts	Good
Cable flexibility	Flexible
Usage 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