

# DESCANET RG 316 U

50 Ω

Coaxial cable

## Application

Coaxial cables are suitable for distortion-free and low loss transmission of signals with high bandwidth.



## Construction

Inner conductor 7x0,17 mm, copper clad steel, silvered  
Dielectric PTFE (polytetrafluoroethylene), transparent Ø 1,52 mm  
Outer conductor silvered copper braid, optical density ca. 95 %  
Sheath FEP (fluorinated ethylene propylene) brown (or black)  
Outer diameter nominal 2,60 mm

## Attenuation at

10 MHz	db/100m max.	8,1
100 MHz		25,0
200 MHz		37,0
400 MHz		53,0
1000 MHz		100,0

## Technical Properties

Dielectric Voltage Withstand	> 4,2 KV eff.
Characteristic impedance	50 +/- 3 Ω
Propagation velocity	69 %
Insulation resistance	> 5'000 MΩ/km
nominal linear capacitance	95 +/- 3 pF/m at 1 kHz
Temperature range	- 55°C ... + 200°C
Minimum bending radius	7 x cable diameter

## Standards / Approvals

according to MIL-C17

Part Number	Type n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
212853	DESCANET RG 316 U	bn 2.60	8.50	16.00

## Packaging

cut to desired length