

## Coaxial cables - impedance 50 Ohm

RG-223/U\*

Nexans ref.: 430923

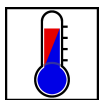
### Description

50 Ohm are typical for broadcast communication. Nexans coaxial cables are divided into stranded applications with PVC jacket and special applications engineered like Marine, Railway, HFFR (Halogen Free Flame Retardant).



### Standards

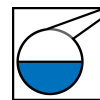
**International** IEC 61196-1



Operating temp. range  
-40 .. 80 °C



Weather resistance  
Good



Oil resistance  
Yes



Flame retardant  
Yes

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**Characteristics**

<b>Construction characteristics</b>	
Conductor material	Silver-plated copper
Conductor flexibility	Solid
Core identification	Natural
Insulation	PE
Screen	No
Outer sheath	PVC
Sheath colour	Black
<b>Dimensional characteristics</b>	
Number of wires per strand	1
Conductor diameter	0.9 mm
Diameter over insulation	3.0 mm
Nominal outer diameter	5.3 mm
Approximate weight	58 kg/km
<b>Electrical characteristics</b>	
Nominal capacitance core to core	101.0 pF/m
Max. RF voltage (r.m.s.)	1.9 kV
Insulation Relative dielectric coefficient	2.3
Relative propagation velocity	0.66 %
<b>Transmission characteristics</b>	
Attenuation, nom. 200 MHz	20.0 dB/100m
<b>Usage characteristics</b>	
Operating temperature, range	-40 .. 80 °C
Weather resistance	Good
Oil resistance	Yes
Flame retardant	Yes