

HRG316-10-A-1

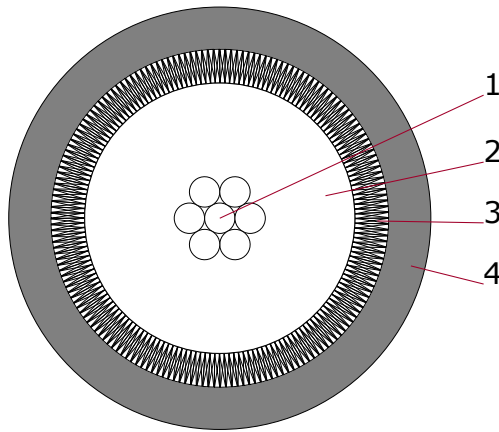
10kV_{DC} - 0.18mm² - PTFE DIELECTRIC

PRODUCT DESCRIPTION

10kV_{DC} coaxial high voltage cable based on standard 50Ω RG316/C coaxial cable. Very flexible due to a small diameter of 2.45mm only and thus ideal for applications in limited space.

With its PTFE dielectric and FEP jacket it can be used at a temperature range of -65 to +200°C. It shows excellent chemical and abrasion resistance.

CONSTRUCTION



1. Conductor	Cu/Ag (7xAWG33 s.p.c.)	0.18mm ² Ø 0.54mm
3. Dielectric	PTFE	Ø 1.56mm
5. Braid	Cu/Ag (0.10mm s.p.c.)	Ø 2.0mm
7. Jacket	FEP	Ø 2.45mm ± 0.15mm

TECHNICAL DATA

Rated Voltage	10kV _{DC}
Test Voltage	High voltage tests: Inner conductor to braid: 20kV _{DC} / 60s Spark test core: 15kV _{AC} Spark test jacket: 5kV _{AC}
Conductor Resistance @ 20°C	≤ 110Ω/km
Insulation Resistance	> 5000MΩ*km
Impedance	50Ω ±2Ω
Capacitance	typ. 94pF/m
min. Bend Radius	25mm (moving), 13mm (fixed)
Operating Temperature	-65°C - +200°C
Oil Resistance	Yes (Jacket)
Flame Retardance	according to DIN EN 60332-1-2
Low Smoke	according to DIN EN 61034-2
RoHS Compliant	Yes
Weight	max. 0.017kg/m
Color	brown-translucent
Status	P (Preferred)

This cable can be terminated with our SHV connector HC55P-316.