

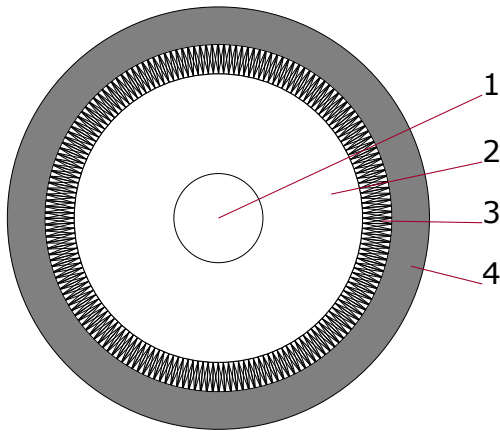
HRG303-40-A-1

40kV_{DC} - 0.69mm² - PTFE DIELECTRIC

PRODUCT DESCRIPTION

40kV_{DC} coaxial high voltage cable with a solid silver plated copper conductor and a braid of silver plated copper wires. Suitable to replace standard 50Ω coaxial cable in high voltage applications. Core dimensions identical to RG58. It is compatible with SHV, MHV, HC51 and Kings® type coaxial connectors. Using PTFE dielectric and an FEP jacket, the cable can be operated at a temperature range of -65 to +200°C. It shows excellent chemical and abrasion resistance.

CONSTRUCTION



1. Conductor	Cu/Ag (1x0.94mm s.p.c.)	0.69mm ² Ø 0.94mm
2. Dielectric	PTFE	Ø 2.95mm ± 0.13mm
3. Braid	Cu/Ag (0.127mm s.p.c.)	Ø 3.55mm ± 0.15mm
4. Jacket	FEP	Ø 4.32mm ± 0.13mm

TECHNICAL DATA

Rated Voltage	40kV _{DC}
Test Voltage	High voltage tests: Inner conductor to braid: 80kV _{DC} / 60s Spark test core: 15kV _{AC} Spark test jacket: 5kV _{AC}
Conductor Resistance @ 20°C	≤ 26Ω/km
Impedance	50Ω ±2Ω
Capacitance	typ. 94pF/m
min. Bend Radius	44mm (moving), 22mm (fixed)
Operating Temperature	-65°C - +200°C
Oil Resistance	Yes (Jacket)
Flame Retardance	according to DIN EN 60332-1 and UL 1581 VW-1
Low Smoke	according to DIN EN 61034-2
RoHS Compliant	Yes
Weight	max. 0.045kg/m
Color	brown-translucent
Status	P (Preferred)

This cable can be terminated with SHV, MHV, our HC51 series HC51P-58 and HC51RB-58 connectors, and our HS/HB series high voltage connectors.