



These coaxial (coax) cables are designed to carry high-frequency or broadband signals.

Applications include connecting radios to their antennas, installation in computer networks or for distributing video signals.

### Construction

solid or stranded conductors, material varies  
core insulation (dielectric) material varies  
overall foil/braid screen/s, material varies  
outer sheath material varies

### Technical

sheath materials:	PVC (polyvinylchloride) for standard internal use
	LSZH (low smoke zero halogen) for increased safety in the case of fire
	PE Duct (polyethylene) for external & ducted applications
	FEP (fluorinated ethylene propylene) for high temperature areas
	SWA (steel wire armour with PE or PVC sheath) for direct burial
	some black PVC & LSZH may be used outdoors, please check if required
temperature range:	dependent on type, please check if critical

Cable Description, Type and Outer Sheath Material	Conductor Stranding (mm)	Screen Type	Cable Overall		Nominal Impedance (Ohms)
			Diameter (mm)	Weight (kg/km)	
RG6 Type PVC/LSZH Black	1/1.02	Foil & Braid	6.8	47	75
RG11 A/U PVC/LSZH Black	7/0.40	Braid	10.3	149	75
RG11 A/U SWA Black	7/0.40	Braid	15.7	380	75
RG58 C/U PVC/LSZH Black	19/0.18	Braid	5.1	46	50
RG58 C/U PE Duct Black	19/0.18	Braid	6.5	59	50
RG59 Mini PVC/LSZH Black/White	1/0.58	Braid	4.0	16	75
RG59 B/U PVC/LSZH Black/White	1/0.58	Braid	6.1	58	75
RG59 B/U PE Duct Black	1/0.58	Braid	7.9	73	75
RG59 B/U SWA Black	1/0.58	Braid	10.3	195	75

Cable Description, Type and Outer Sheath Material	Conductor Stranding (mm)	Screen Type	Cable Overall		Nominal Impedance (Ohms)
			Diameter (mm)	Weight (kg/km)	
RG62 A/U PVC/LSZH Black	1/0.69	Braid	6.2	60	93
RG62 A/U SWA Black	1/0.69	Braid	10.4	210	93
RG142 B/U FEP Brown	1/0.94	2x Braid	4.9	74	50
RG174 A/U PVC/LSZH Black	7/0.81	Braid	2.6	16	50
RG178 B/U PVC Black	7/0.16	Braid	1.8	10	50
RG179 Type PVC Black	1/0.35	Braid	2.6	12	75
RG179 B/U FEP Brown	7/0.10	Braid	2.5	15	75
RG213/U PVC Black	7/0.75	Braid	10.3	166	50
RG214 /U PVC Black	7/0.75	2x Braid	10.8	173	50
RG223 /U PVC Black	1/0.90	Braid	5.4	49	50
RG316 /U FEP Black	7/0.17	Braid	2.5	15	50

Note: materials, conductor sizes and screen types may differ dependent on individual manufacturer specifications.

**PVC or LSZH Properties:** fairly tough & flexible materials resistant to a wide range of oils & chemicals. The primary difference between them is the levels of toxic chemicals produced in the case of a fire.

Standard polyvinylchloride (PVC) will emit around 28% HCL (hydrogen chloride) if burnt.

Low smoke zero halogen/halogen free (LSZH, LSOH, LSHF) guarantees max. 0.5% HCL emissions if burnt.

**PE (polyethylene) Properties:** this tough compound has good resistance to UV, abrasion, tearing and organic solvents plus good electrical properties. It has excellent resistance to water, inorganic salts, acids and alkalis.

**FEP Properties:** Brand-named Teflon by DuPont this compound is difficult to inflame with outstanding resistance to acids, solvents, laquers, petrol, oils and many other chemicals. High dielectric strength, high abrasion and tear resistance. FEP (fluorinated ethylene propylene) is also resistant to microbes, dirt, weather, ozone & water.

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