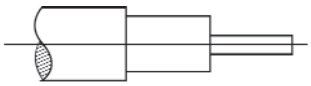
EXPERIENCE. TRU INNOVATION.

CABLE PERFORMANCE GUIDE

Typical Coaxial Cable Constructions

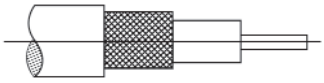
Single shield, extruded (PE) dielectric
VP=66%

RG-218 types



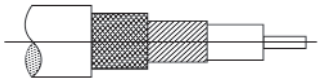
High performance coaxial cable
(expanded PTFE tape, flat and round braids)
VP=76% to 85%

TRU-500, TRU-560, TRU-920 types

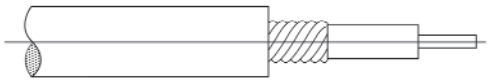


Double Shield, extruded (PE or PTFE) dielectric
VP=66% to 70%

RG-214, RG-217, RG-303 types



Corrugated coaxial cable types
VP=80% to 85%



Cable Properties

INNER CONDUCTOR TYPES COMPARISON			
	Solid	**Stranded**	**Multi-Stranded**
Attenutation	Lowest	Moderate	Highest
Signal Distortion	Lowest	Moderate	Highest
Flexibility	Lowest	Moderate	Highest
Torqe Resistance	Highest	Moderate	Lowest
Cost	Lowest	Moderate	Highest

DIELECTRIC TYPES COMPARISON				
	PE Solid	**PE Foamed**	**PTFE Solid**	**PTFE Expanded**
Attenuation	High	Lowest	Moderate	Low
VP	Low	Highest	Moderate	High
Flexibility	Lowest	Moderate	Low	High
Temperature	Lowest	Low	Moderate	High
Crush Resist.	High	Low	Highest	Moderate
Weight	Highest	Low	High	Moderate
Cost	Low	Lowest	Moderate	High

JACKET TYPES COMPARISON				
	PVC	**Mesh Braid**	**FEP**	**Corrugated**
Flexibility	High	Moderate	Low	Lowest
Temperature	Low	High	High	Moderate
Moisture Resist.	High	Low	High	Low
Chemical Resist.	Low	Low	High	Moderate
Flammability	High	Moderate	Low	Low
Stress Cracking	Low	Low	Moderate	High
Cost	Low	High	Moderate	Moderate

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