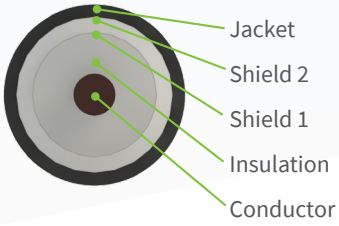
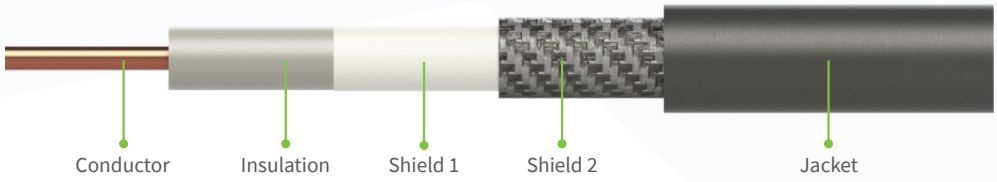
TGC-302-FR Cable

3.3mm Diameter, Low Loss, 50 ohm
Flame Retardant, Low Smoke Zero Halogen Coaxial Cable

Part Number
CAB.002945



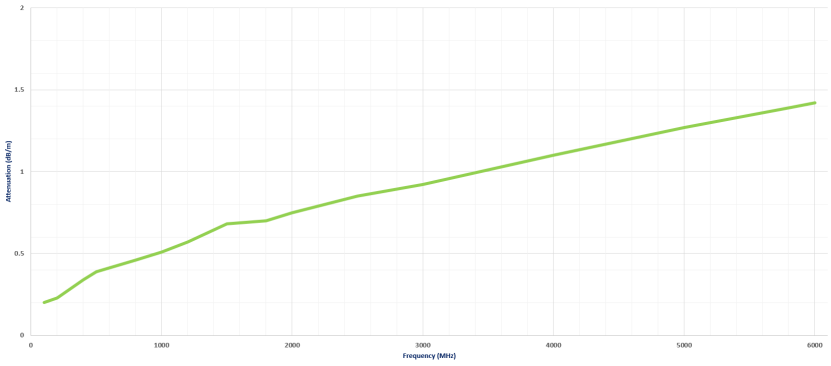


Part Designation	Material	Outer Diameter
Inner Conductor	Bare Copper (7 Strand)	7 x 0.27 ± 0.01 (Φ0.81) mm
Dielectric	XL-FPE	2.15 ± 0.10 mm
Shield 1	AL-PET-AL Tape	2.25 ± 0.15 mm
Shield 2	Tinned-Copper	2.65 ± 0.15 (112* Φ0.10) mm
Jacket	Black FRPE (LSZH Low Smoke Zero Halogen)	3.30 ± 0.10 mm

Mechanical Specifications	
Performance Property	**Spec.**
Minimum Bend Radius	33 mm (Loaded)
	16 mm (Unloaded)
Cable Weight	0.019 kg/m
Flame Retardant Certification	UL1581 FT1 ECE R118
Environment Specification	
Storage Temperature Range	-40°C to +105°C

Electrical Specifications	
Performance Property	**Spec.**
Impedance	50 ± 3 Ω
Capacitance	83.0 ± 3 pF/m

Attenuation vs. Frequency



Frequency (MHz)	100	200	400	500	800	1000	1200	1500	1800	2000	2500	3000	4000	5000	5800	6000
Attenuation (dB/m)	0.2	0.23	0.34	0.39	0.46	0.51	0.57	0.68	0.70	0.75	0.85	0.92	1.1	1.27	1.39	1.42

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IATF16949