

Coaxial Cable - continued

VMTX Miniature Coaxial Cable 50Ω and 75Ω



- Suitable for high frequency operation 3GHz maximum
- Resistant to fluids used in aircraft
- Wide operating temperature range
- Very small diameter good flexibility
- White FEP sheathed overall

	50VMTX	75VMTX
Temperature range	-90°C to +200°C	-90°C to +200°C
Impedance	50Ω	75Ω
Maximum working voltage	250V dc	250V dc
Attenuation per 100m @ 100MHz	55dB	70dB
Solid centre conductor silver plated copper covered steel	0.17mm	0.1mm
Nominal overall dia.	1.17mm	1.22mm
Dielectric	PTFE	PTFE
Silver plated copper braid screen		

208255

100m Reel

Mfrs. List No.	Order Code	1+	5+
50Ω 5633JZZD	157-284	9,656.00	8,467.00
75Ω 5634JZZD	157-296	10,660.00	9,594.00

RG178PE 50Ω



- Low density, polyethylene spaced coaxial cable suitable for data transmission applications. Inner conductor

7/0.102mm tinned copperweld

- Tinned copper braid screened, PVC sheathed overall.

Nominal outside diameter	1.83mm	Operating temperature	80°C max
Capacitance	99pF/m	Attenuation per 10m	9.51dB @ 400MHz,

208359

100m Reel

Colour	Order Code	1+	5+	+	+	+
Black	149-071	4,929.00	4,682.00	--	--	--

RG179PE 75Ω



- Low density, polyethylene spaced coaxial cable suitable for data transmission applications. Inner conductor 7/0.102mm tinned copperweld. Tinned copper braid screened and Black PVC

sheathed overall.

Nominal outside diameter	2.59mm	Operating temperature	80°C max
Capacitance	69pF/m	Attenuation per 10m	6.9dB @ 400MHz,

208360

Reel

Colour	Reel Length	Order Code	1+	5+	10+
Black	100m	149-072	5,667.00	5,515.00	4,644.00
Black	500m	277-990	23,222.00	22,061.00	--

RG316U 50Ω



- P.T.F.E. insulated 7/0.17mm (7/0.0067 in.) stranded silver plated copper-clad steel conductor

- RG316U - single silver plated copper braid screen
- Sheathed overall in transparent Brown F.E.P. (fluorinated ethylene propylene) to MIL-C-17 requirements

Nominal outside diameter	2.49mm	Operating temperature	3.61dB @ 100MHz (RD316U)
Capacitance	105pF/m/m/m	Attenuation per 10m	6.89dB @ 400MHz (RG316U)
Max R.F voltage	1.2kV (peak)		19.03dB @ 1000MHz (RG316U)

208105

Reel

Reel Length	Order Code	1+	5+	+	+
25m	121-7851	3,729.00	3,413.00	--	--
100m	121-7852	13,868.00	12,722.00	--	--

RG402U/RG405U 50Ω Semi-Rigid Microwave



- Semi-rigid coaxial cable especially suited for use with SMA connectors
- Inner conductor silver coated copper clad steel

- 0.9mm (RG402U), 0.5mm (RG405U)
- Solid copper tube outer conductor ensures negligible RF leakage
- Precision construction provides quality performance to 18GHz using SMA connectors
- Score with knife to strip outer sheathing

	RG402	RG405
Operating temp. range	-40°C to +125°C	-40°C to +125°C
Nominal outside dia.	3.58mm	2.2mm
Capacitance	96pF	105pF
Max voltage	1.5kV dc	1.9kV dc

208362

	Order Code	Price Per Length		
		1+	5+	+
RG405				
3m Length	711-299	2,162.00	1,946.00	--
RG402				
1m Length	711-263	770.00	693.00	--
3m Length	711-275	2,310.00	2,079.00	--

Quickform®



- Electrical performance similar to semi rigid coaxial
- Very low attenuation with very high screening
- Easily formed by hand
- Recommended for mobile phones and PCB to PCB links
- Intended for static links

	Quickform®86	Quickform®141
Impedance	50Ω±2Ω	50Ω±2Ω
Inner conductor silver plated copper covered steel dia.	0.51mm	0.95mm
Outer conductor tin soaked copper braid diameter	2.14mm	3.52mm
Capacitance	97pF/m	97pF/m
Dielectric	P.T.F.E	P.T.F.E
Relative velocity of propagation	70%	70%
Attenuation per metre @ 1GHz	0.64dB	0.42dB
@ 10GHz	2.26dB	1.23dB
@ 20GHz	3.42dB	1.95dB
Temperature range	-65°C to +150°C	-65°C to +150°C
Minimum static bend radius	7mm	11mm

208257

Continuous Length in 1m Multiples

	Order Code	Price Per Metre		
		1+	5+	+
Quickform®86	157-983	466.00	422.00	--
Quickform®141	157-995	629.00	584.00	--
100m Reel				
Quickform®86	157-260	33,632.00	32,473.00	--
Quickform®141	157-272	45,803.00	42,407.00	--

Uniradio 43/67 50Ω



- Solid polyethylene insulated
- Braid screened
- Black PVC sheathed overall to BS2316

	Uniradio 43	Uniradio 67
Conductor	1/0.9mm	7/0.77mm
Nominal outside diameter	5mm	10.3mm
Capacitance	100pF/m	100pF/m
Maximum voltage	21kV dc	40kV dc
Maximum RF working voltage	2.6kV peak	6.5kV peak
Attenuation (10m)		
Uniradio 43	1.3dB @ 100 MHz	4.6dB @ 1000 MHz
Uniradio 67	0.68dB @ 100 MHz	2.52dB @ 1000 MHz

219631

Reel Length	Order Code	Price Per Reel		
		1+	5+	+
Uniradio 43 100m	121-7790	2,750.00	2,700.00	--
Uniradio 67 50m	121-7791	5,369.00	5,151.00	--
Uniradio 67 100m	121-7792	10,688.00	10,474.00	--