

Low Loss 50 Ohm Transmission Line Flexible Communications Cable, Braid Shielded Coax

For Wireless Communication Systems, Land Mobile Radio, Cellular and WLANs

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

RF500 Type • 7 AWG Solid .142" Bare Copper-covered Aluminum • Duobond® II + 90% Tinned Copper Braid Shield

Foamed Polyethylene Insulation • Black Polyethylene Jacket

RF500 300V	7976A new		500	152.4	56.0	25.5	7 AWG (solid) .142" CCA .82Ω/M' 2.7Ω/km	.370	9.4	Duobond II + 90% TC Braid 1.6Ω/M' 5.2Ω/km	.500	12.70	50	84%	25.1	82.3	30	.6	1.8
		1000	304.8	108.0	49.1	50											.7	2.4	



100% Sweep tested to 6 GHz.

Foamed Polyethylene Insulation • Black Flame Retardant PVC Jacket

RF500 300V	7976R new	NEC:	500	152.4	67.5	30.7	7 AWG (solid) .142" CCA .82Ω/M' 2.7Ω/km	.370	9.4	Duobond II + 90% TC Braid 1.6Ω/M' 5.2Ω/km	.500	12.70	50	84%	25.1	82.3	2500	5.0	16.4
		CMR	1000	304.8	131.0	59.5											3000	6.3	20.7



100% Sweep tested to 6 GHz.

Foamed Polyethylene Insulation • Water Blocking Gel • Black Polyethylene Jacket

RF500 300V	7976WB new		500	152.4	56.5	25.7	7 AWG (solid) .142" CCA .82Ω/M' 2.7Ω/km	.370	9.4	Duobond II + 90% TC Braid 1.6Ω/M' 5.2Ω/km	.500	12.70	50	84%	25.1	82.3	2500	5.0	16.4
		1000	304.8	109.0	49.5	3000											6.3	20.7	



100% Sweep tested to 6 GHz.

RF600 Type • 5.5 AWG Solid .176" Bare Copper-covered Aluminum • Duobond® II + 85% Tinned Copper Braid Shield

Foamed Polyethylene Insulation • Black Polyethylene Jacket

RF600 300V	7977A new		500	152.4	73.5	33.4	5.5 AWG (solid) .176" CCA .53Ω/M' 1.7Ω/km	.455	11.6	Duobond II + 85% TC Braid 1.8Ω/M' 5.9Ω/km	.590	14.99	50	85%	24.6	80.6	30	.5	1.5
		1000	304.8	145.0	65.9	50											.6	2.0	



100% Sweep tested to 6 GHz.

Foamed Polyethylene Insulation • Black Flame Retardant PVC Jacket

RF600 300V	7977R new	NEC:	500	152.4	89.5	40.7	5.5 AWG (solid) .176" CCA .53Ω/M' 1.7Ω/km	.455	11.6	Duobond II + 85% TC Braid 1.8Ω/M' 5.9Ω/km	.590	14.99	50	85%	24.6	80.6	2500	4.6	15.1
		CMR	1000	304.8	173.0	78.6											3000	5.1	16.7



100% Sweep tested to 6 GHz.

Foamed Polyethylene Insulation • Water Blocking Gel • Black Polyethylene Jacket

RF600 300V	7977WB new		500	152.4	74.0	33.6	5.5 AWG (solid) .176" CCA .53Ω/M' 1.7Ω/km	.455	11.6	Duobond II + 85% TC Braid 1.8Ω/M' 5.9Ω/km	.590	14.99	50	85%	24.6	80.6	2500	4.6	15.1
		1000	304.8	146.0	66.9	3000											5.1	16.7	



100% Sweep tested to 6 GHz.

CCA = Copper-covered Aluminum • DCR = DC Resistance • TC = Tinned Copper

For More Information:

www.belden.com

Belden Electronics Division Technical Support 1-800-BELDEN-1 or 1-800-BELDEN-3