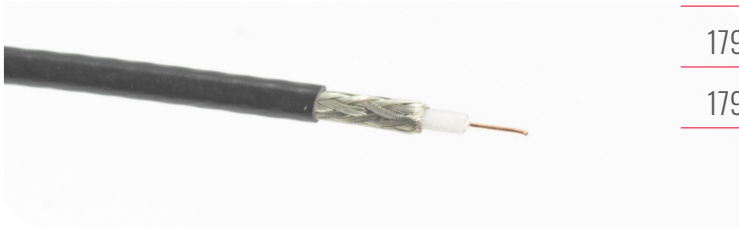




Product Data Sheet

BELDEN 179DT Digital Video Cable

Description



179 DT BLACK PVC MTR	AB-00-1001
179 DT PVC 305M Reel	AB-04-1301

This very small profile (2.540 mm) HD video cable manufactured by Belden is ideal for HDTV broadcast trucks weighs 60% less and takes up to 40% less space than standard Mini RG-59/U Type coaxes.

This cable was designed to assist in the migration from the existing 1080i SDI format to the 1080p format, protocols and equipment, which require twice the bandwidth of the earlier specifications.

Attenuation

Freq.(MHz)	Attenuation (dB/100m)	Freq. (MHz)	Attenuation (dB/100m)
1.00	3.87	180.00	29.30
5.00	6.07	270.00	35.44
6.00	6.53	360.00	41.01
7.00	7.05	540.00	50.53
10.00	7.84	720.00	58.73
12.00	12.57	750.00	60.04
67.50	19.33	1000.00	69.89
71.50	19.62	1500.00	86.29
88.50	21.69	2000.00	101.06



Product Data Sheet

BELDEN 179DT Digital Video Cable

Product Data

Conductor	0.31mm (28.5AWG) solid bare copper
Insulation	1.42mm Gas-injected FHDPE - Foam High Density Polyethelene
Inner Shield	100% Aluminium Foil-Polyester
Outer Shield	95% tinned copper braid
Jacket	2.54mm PVC
Operating Temperature	-20°C to +75°C
UL Temperature Rating	75°C
Max. Recommended Pulling Tension	80.068N
Min. Bending Radius	25.4mm
RGType	179/U

Electrical Properties

Impedance	75ohms
Inductance	0.347786uH/m
Capacitance	57.0894pF/m
Velocity of Propagation	77%
Nominal Delay	4.33092ns/m
Nom. Conductor DC	354.3480hm/Km
Nom. Outer Shield DC	29.20090hm/Km
Maximum Operating	300V RMS
Min. Return Loss 5MHz	23dB
Min. Return Loss	21dB
Sweep testing	100% Sweep tested 5 MHz to 4.5