

QUAD-SHIELD, 75 OHM MINI RG59 (LEGACY)

Key applications for WSE Legacy, Mini RG59 quad shield coax cable and connectors include broadband routers and switching equipment where immunity to conducted disturbances is required, but space is limited.

The quad-shield cable features a 100% bonded foil, 95% inner braid, 100% foil and 90% outer braid configuration. The conductor is solid 23 AWG copper. This cable is approved for use by Cisco on CMTS routers and exceeds the conducted RF immunity requirements of EN61000-4-6.



Part Number	Description	Nominal O.D. (in)	Nominal Wt. (lb/1000')
YR50391	Mini RG59 Quad Shield, Single	.185	30.0
YR50386010	Mini RG59 Quad Shield, 5-pack (first 5 colors)	.690	225.0
YR52310010	Mini RG59 Quad Shield, 5-pack (second 5 colors)	.690	225.0
YR53058	Mini RG59 Quad Shield, 8-pack (multiple colors)	.720	290.0

Electrical Specifications

Impedance: 75 ± 1.5 ohms
 Nom. Inductance: .106 μH/ft
 Nom. Capacitance (Conductor to Shield): 16.3 pF/ft
 Nom. Velocity of Propagation: 83%
 Nom. Delay: 1.22 ns/ft
 Nom. Conductor Resistance at 20°C: 20.1 ohms/1000 ft
 Nom. Shield DC Resistance at 20°C: 3.5 ohms/1000 ft.
 Return Loss: 23 dB min., 5 - 850 MHz
 21 dB min., 851 - 3000 MHz
 Max. Operating Voltage: 300 Vrms (UL)
 Nominal Attenuation:

MHz	1	3.6	5	10	71.5	100	135	180	270	360	540	720	750	1000	1500	2250	3000
dB/100ft	.39	.78	.92	1.20	3.06	3.33	3.81	4.38	5.40	3.2	7.70	9.47	9.59	10.5	13.0	16.0	18.5

Physical Specifications

Conductor: Solid copper
 Shielding: 100% bonded foil, 95% tinned copper inner braid, 100% foil, 90% tinned copper outer braid
 ULNEC/C(UL) CEC Type: CMR; CEC C(UL) rated CMG, FT-4
 Temperature Rating: -20° to +75° C
 Diameter over Dielectric: .102" nom.
 Dielectric Material: Gas Injected Foam High Density PE
 Maximum Pulling Tension: 36 lbs
 Minimum Bend Radius: 1.5"

CABLE MANUFACTURED EXCLUSIVELY FOR WHITE SANDS ENGINEERING BY

