

## QUAD-SHIELD, 75Ω 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 (first 5 colors)	.690	225.0
YR53058010	Mini RG59 Quad Shield, 8-pack	.720	290.0

### Electrical Specifications

Impedance: 75 +/- 1.5 ohms  
Nom. Inductance: .106  $\mu$ H/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: 23dB min., 5-850 MHz  
21dB 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

