

250m RG11 Low Smoke Zero Halogen Quad-shield Coaxial Cable Reel

06MM-E11Q250



For the Best

E11Q250 is a low smoke zero halogen PE jacketed cable for free-to-air and pay TV systems. Constructed from LSZH materials, this cable is the safe and environmentally friendly choice for your in-building network build.

Available in 250m reels with meter marking, E11Q250 is suited for longer cable backbone and lateral runs where lengths are high loss with RG6. E11Q250 is a 3GHz rated low loss coaxial cable with a copper-clad steel centre conductor for durability and four shielding layers to guarantee maximum signal protection and stability.

Features and Benefits

- » An RG11 metre marked low smoke – zero halogen cable with quad shielding
- » Developed due to concerns about the fire hazards of the insulation and jacketing material
- » Meets requirements for smoke index, acid gas generation, halogen content, and toxicity index
- » Sold in a 250 metre reel

Technical Data 06MM-E11Q250

Construction		
Inner Conductor		Copper clad steel $\Phi 1.63 \pm 0.02 \text{mm}$
Insulation		Physically foamed PE $\Phi 7.11 \pm 0.15 \text{mm}$
Outer Conductor	1st	Boned Al/PET/AL Tape
	2nd	Aluminum wire braid 34AWG
	3rd	Non-boned Al/PET/Al Tape
	4th	Aluminum wire braid 34AWG
Jacket		Flame retardant PE $\Phi 10.34 \pm 0.25 \text{mm}$
Mechanical Properties		
Adhesion Force		>60N
Electrical Properties		
Impedance		$75 \pm 2.5 \Omega$
Nominal Capacitance		54pF/m
Propagation velocity		82%
DC breakdown voltage		3.0kV
Insulation resistance		$\geq 10000 \text{M}\Omega \cdot \text{km}$
Screening attenuation		$\geq 110 \text{dB} @ 5\sim 3000 \text{MHz}$
Nominal inner conductor DC resistance		$40.4 \Omega / \text{km} (@ 20^\circ \text{C})$



Nominal outer conductor DC resistance	$14.4 \Omega / \text{km} (@ 20^\circ \text{C})$
Nominal loop DC resistance	$54.8 \Omega / \text{km} (@ 20^\circ \text{C})$
Transmission Properties	
Frequency	Attenuation
5MHz	$1.25 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
55MHz	$3.15 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
211MHz	$6.23 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
250MHz	$6.72 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
270MHz	$7.00 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
300MHz	$7.38 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
330MHz	$7.71 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
350MHz	$7.94 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
400MHz	$8.53 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
450MHz	$9.02 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
500MHz	$9.51 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
550MHz	$9.97 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
600MHz	$10.43 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
750MHz	$11.97 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
870MHz	$13.31 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
1000MHz	$14.27 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
1300MHz	$16.21 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
1450MHz	$17.36 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
1750MHz	$19.65 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
2150MHz	$21.65 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
2600MHz	$24.04 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
2832MHz	$25.09 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
3000MHz	$25.86 @ 20^\circ \text{C}, \text{dB}/100\text{m}$
Structure Return Loss	
5-3000MHz	$\geq 20 \text{dB}$
Standards	
2011/65/EU	Compliant
Environmental Properties	
Operation	$-30 \sim +85^\circ \text{C}$