RG6 Coaxial Quadshield LSZH

PRODUCT OVERVIEW

1 Copper Clad Steel conductor cable with foamed PE insulation and UV LSZH outer sheath in black.

The RG6 Quadshield cable consists of 1 CCS conductor, foamed PE insulation, 2 x double sided aluminium foils and 2 x aluminium braids.

RG6 Quadshield cable is designed for use within satellite and television installations.

ADI-RG6QSLSZBK1

FEATURES

1 Copper Clad Steel conductor insulated with foamed PE, with 2 x double sided AL Foil and 2 x Aluminium braids encased in UV LSZH outer sheath

Copper Clad Steel conductor

100 metre reel

Black RAL 9005

Reaction for Fire Rating - Fca (CPR Rating)

2 Double sided Aluminium Foils

Manufactured and tested to CE2014/30/EU,RoHS2 2011/65/EU,LVD 2014/35/EU

Sequential reverse metre markings (100-0)

Rated Voltage: 600V

Supports satellite and television installations

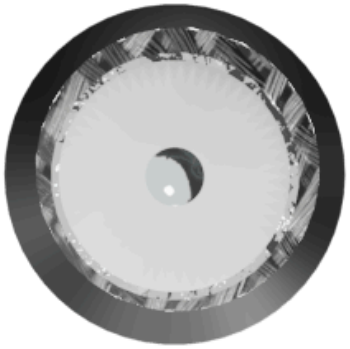
10 Year Warranty

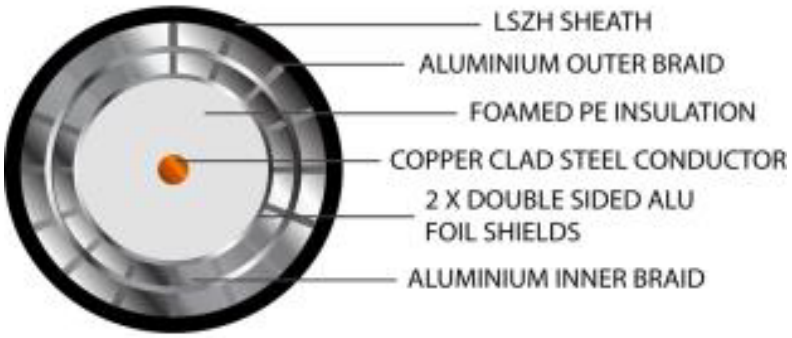
For more information contact your ADI sales person

Rev: v2 Aug 24

RG6 Coaxial Quadshield LSZH

CROSS-SECTION DIAGRAM





PRODUCT SPECIFICATIONS

Conductor Diameter: 1.02 ±0.1

Overall Cable Diameter (mm): 7.50 ±0.01

Insulation: Foamed PE

Insulation Thickness (mm): 1.78 ±0.01

Inner Conductor DC resistance @ 20°C : <85Ω/km. Outer Conductor DC resistance @ 20°C : <20Ω/km.

Insulation Colour(s): White

Insulation Diameter (mm): 4.57 ±0.08

Braid Coverage: Outer - 45% Inner - 60%

Jacket: UV LSZH

Jacket Thickness (mm): 0.76 ±0.01

Rated Temperature : -40°C to 70°C

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CONSTRUCTION PRODUCTS REGUALTIONS (CPR)

EURO CLASS (ca:cable)	CLASSIFICATION CRITERIA: FIRE RATING	CPR Description
Reaction to Fire BS EN ISO 1716		
Aca	Does not contribute to the fire	Due to availability, it will be almost impossible for a cable to meet Aca, so they should only be specified with extreme caution.
Reaction to Fire BS EN 50399		
B1ca	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1ca.
B2ca	Combustible, low flame spread & heat release contribution to the fire	Similar to Class Cca, although a lower acceptable heat release rate and burn measurement. In practice, this is likely to be the highest class cables will meet.
Cca	Combustible, moderate flame spread & heat release	This is a more rigorous test than Class Dca, this is widely accepted across Europe as the 'go to' classification, but be aware, many cables do not meet Class Cca though availability is improving.
Dca	Combustible, moderate flame spread & heat release	This classification has relatively little use or acceptance within specifying/contracting organisations. This is because no large scale fire growth is measured.
Reaction to Fire BS EN 60332-1-2		
Eca	Combustible, limited fire spread of less than 425mm	A basic test for vertical flame propagation for a single insulated wire or cable using a 1 KW pre-mixed flame. Note: This test does not measure heat release, toxic fumes or smoke.
Fca	Combustible, fire spread of more than 425mm	Cables classified to Class Fca may have high levels of flammability due to the materials they are made of. This does not mean that the cable cannot be used, it is more likely to be used external.

CPR GUIDE

SUBCLASSIFICATIONS FOR EUROCLASSES Bca to Dca

(S) SMOKE PRODUCTION	(D) FLAMING DROPLETS	(A) SMOKE ACIDITY
BS EN 50399/BS EN 61034-2	BS EN 50399	BS EN 60754-2
s1a: s1 + transmittance >=80% (BS EN 61034-2)	d0: No fall of droplets or flaming particles, times for 1200 seconds	a1: Very low acidity (conductivity <2.5 µS/mm & pH >4.3)
s1b: s1 + transmittance >=60% <80% (BS EN 61034-2)	d1: Fall of droplets or flaming particles that persist for less than 10 seconds, timed for 1200 seconds	a2: low acidity (conductivity <10 µS/mm & pH >4.3)
s1: Low production of slow propagation of smoke		
s2: Intermediate production & propagation of smoke		
s3: None of the above	d2: None of the above	d2: None of the above

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Classes A to E have to be tested by an independent authorised laboratory. Most cables will fall into classes B2ca to Eca.

For a cable to meet Aca, B1ca, B2ca or Cca, there also needs to be regular on-going factory audits.

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This product is rated CPR Euroclass Fca for its reaction to fire.

This product should only be installed by a qualified installer, adhering to local wiring regulations relevant to the application. It is the responsibility of the installer to ensure that the CPR Class installed meets the requirements for the application in their country.

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CONSTRUCTION PRODUCT REGULATION EURO CLASSES

Aca	No Reaction
B1ca	Very Low Reaction
B2ca	Low Reaction
Cca	Reduced Reaction
Dca	Improved Reaction
Eca	Basic Reaction
Fca	Undetermined

Fca

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UK CA CE RoHS COMPLIANT