

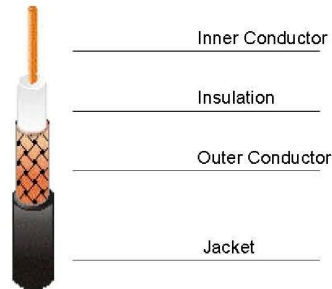
H-12A

75 Ohm coaxial cable



RoHS (2002/95/EC) Compliant

CROSS SECTION



PROPERTIES

Min. Bending Radius:	
Installation	25 mm
Repeated	75 mm
Max. Pulling Tension	430 N
Crush resistance of cable (load of 700N)	< 1 %
Rated Temperature	
Storage/operating temperature	-20~+75 °C
Outdoor Installation	-5 °C

CONSTRUCTION

Inner Conductor	BC
Conductor Dia. (+/-0.02mm)	12 X 0.193
Min. Break Strength (N)	250
Insulation	Foam P.E.
Insulation Dia. (+/-0.1mm)	3.60
Color	Neutral
Centricity (%)	≥ 85%
Adhesion	10 to 80N @ 25mm
Outer Conductor	BC Wire Braid
Conductor Dia. (+/-0.01mm)	0.127
Braiding	16 x 8
Coverage (+/-3%)	91
Jacket	PVC
Outer Dia (+/-0.1mm)	5.60
Color	BLACK
Tensile strength	≥ 12.5 N/mm ²
Elongation at break	≥ 150 %
Adhesion	15 to 50N @ 50mm

ELECTRICAL CHARACTERISTICS

Characteristic Impedance	75 ±3ohm
Capacitance	55 ±2pF/m
Velocity ratio	> 80 %
DCR: Inner Conductor	<53 ohm/km
DCR: Outer Conductor	<12.5 ohm/km
Jacket Sparker	2500 VCA
Dielectric Strength	1000 VCA
Insulation resistance	> 100,000 MΩ·km
Return loss	5-30MHz 30 dB
	30-470MHz 25 dB
	470-1000MHz 20 dB
Transfer impedance	5-30 MHz ≤ 50 mΩ/m
Shielding Effectiveness	30-1000 MHz > 45 dB
Frequency (at 20 °C)	Attenuation
1 MHz	1.10 dB/100m
5 MHz	2.40 dB/100m
10 MHz	3.40 dB/100m
50 MHz	7.50 dB/100m
100 MHz	10.70 dB/100m
200 MHz	15.20 dB/100m
300 MHz	18.80 dB/100m
400 MHz	21.80 dB/100m
600 MHz	26.90 dB/100m
800 MHz	31.30 dB/100m
1000 MHz	35.20 dB/100m

RoHS GUIDELINE

Cadmium content (Cd)	< 0.01 %
Lead content (Pb)	< 0.1 %
Mercury content (Hg)	< 0.1 %
Chromium (VI) content	< 0.1 %
Polybrominated Biphenyls (PBB)	Forbidden
Polybrominated Diphenyl Ether (PBDE)	Forbidden

Revision History

Date:	Define by:	Rev: A/1
Prepared by :	Bill	Date: 09-03-18
Approved by:	D.L. Chin	Page: 1 of 1

CREATION
BUILDING SERVICES MATERIALS

Unit B, 6/F, Yip Kwong Industrial Building, 39-41 Beech Street,
Kowloon, Hong Kong.
Phone: (852) 2398 2106 Fax: (852) 2191 5808
Email: sales@creation-trading.com