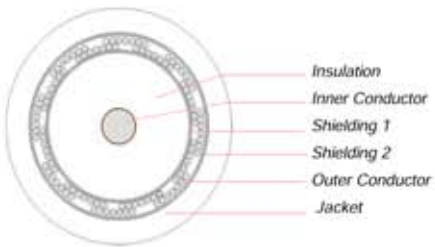
D·GROUP

75 Ohm coaxial cable

Part No.: 1136

Cross Section



Cable Description

Inner Conductor	CCS
Conductor Dia.	1.02mm +/-0.01
Min.Break Strength	629 N
Insulation	Foam P.E.
Insulation Dia.	4.57mm +/-0.15
Color	Neutral
Centricity	≥ 85 %
Adhesion	6 to 60N @ 25mm
Shielding 1	AL/P/AL-Foil
Foil overlap	≥ 120%
Outer Conductor	AL Wire Braid
Coverage	77% +/-3
Shielding 2	AL/P/AL-Foil
Foil overlap	≥ 120%
Jacket	PVC
Outer Dia	6.8/0mm +/-0.2
Color	According to customer
Adhesion	40 to 100N @ 50mm

Marking

According to customer

PACKAGING

According to customer

Electrical Charateristics

Characteristic Impedance		75 ±3ohm
Capacitance		53 pF/m
Velocity ratio		> 82 %
DCR: Inner Conductor		<101 ohm/km
DCR: Outer Conductor		< 28 ohm/km
Jacket Sparker		4000 VCA
Dielectric Strength		2000 VCA
Insulation resistance		> 10,000 MΩ·km
Return loss	5-470MHz	>20 dB
	470-1000MHz	>18 dB
Shielding Effectiveness (Class A++)	30-1000 MHz	>100 dB

Attenuation (at 20 ℃)

Frequency	Max.Attenuation
5 MHz	2.50 dB/100m
55 MHz	5.25 dB/100m
211 MHz	9.42 dB/100m
300 MHz	11.25 dB/100m
400 MHz	13.12 dB/100m
500 MHz	14.70 dB/100m
600 MHz	16.21 dB/100m
700 MHz	17.88 dB/100m
862 MHz	19.62 dB/100m
900 MHz	20.05 dB/100m
1000 MHz	21.46 dB/101m

Mechanical Characteristics

Min.Bending Radius:	
Installation	23mm
Repeated	70mm
Max.Pulling Tension	470N
Crush resistance of cable (load of 700N)	< 1 %
Rated Temperature	
Storage/operating temperature	-20~+75 ℃
Outdoor Installation	-5℃

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)	<0.1 %
Polybrominated Diphenyl Ether (PBDE)	<0.1 %

Revision History

Defined by: Bob	Rev: A/1
Prepared by: Zell	Date: 2013-01-04
Approved by: D.L. Chin	Page: 1 of 1

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Note: The specifications are subjected to change without prior notice