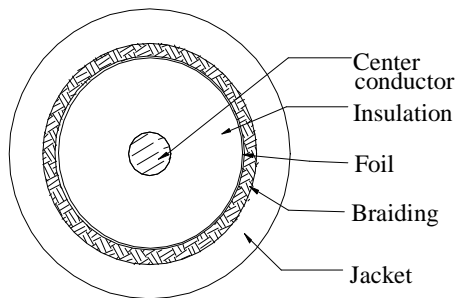


Cross Section



Marking

9116S 75 OHM RG6/U DUAL SHIELD CATV BY BELDEN-AU xxxM
 "XXX" means continuous footage marking 000-305M PER CYCLE

Description

Rated Temperature (°C) 75

Application

Drop cable for CATV and MATV distribution

Reference Standard

SCTE IPS-SP-001, UL1655, UL13, UL444

Construction

Center Conductor	Copper Clad Steel
AWG	18
Dia.(mm)	1.02
Insulation	Skin Foam PE
Nom. Thickness(mm)	1.78
Insulation Dia. (±0.08mm)	4.57
Al-maylar Shield (Overlapping, %)	≥25
Braid Shield	Aluminium&Magnesium Wire
Construction (mm)	16/4/0.16
Coverage Area (%)	≥60
Jacket	PVC
Nom. Thickness (mm)	0.70
Min. Thickness(mm)	0.60
Cable Dia.(±0.15mm)	6.70
Weight (kg/km)	45.0

Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100m)
5	2.23
55	5.25
211	9.91
270	11.29
300	11.94
350	12.89
400	13.81
450	14.67
550	16.24
750	19.13
870	20.66
1000	22.24

Dielectric Strength (kV/min)	1.0
Impedence (±3.0ohms)	75.0
SRL (dB,5~1000MHz)	≥20
Capacitance (pF/m)	53.1
Conductor DCR@ 20°C (ohms/km)	≤119
Velocity Of Propagation (%)	≥83

Mechanical Characteristics:

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.8
Aging Elongation (%)	≥100
Aging Condition (°C×hrs)	100 × 240
After Tensile Strength (Mpa)	≥ 85% unaged
Aging Elongation (%)	≥ 50% unaged
Cold Bend (-20±2°C×4hrs)	No crack
Jacket impact test(-15°C)	No crack
Jacket Longitudinal Shrinkage (%)	≤5
Center Conductor Break Strength (N)	≥641
Center Conductor Bond To dielectric (N)	≥2.3

Color

Jacket Color:
Per Customer Request

Part No.: 9116S 0101000/ 9116S 010U1000

Ref. spec No. : Rev.:

Revision History

2003.06.20 Rev.9 Change The Marking



Prepared by:
Approved by:

Table No.:TFA046