



**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**

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

**Color**

**Jacket Color:**

Per Customer Request

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

Ref. spec No. : SK-COAX-024 Rev.: 9

**Revision History**

2003.06.20 Rev.9 Change The Marking

**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



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