



**Marking**

E223070 CM 2/18 AWG + RG/U 2/18 AWG (UL) C(UL) XXXXFT

**Description**

Rated Temperature (°C)	75
Product Standard Certification	UL
Flammability Test	CM

**Application**

Drop cable for interior applications

**Reference Standard**

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

**Construction**

<b>Center Conductor</b>	<b>Bare Copper</b>
AWG	20
Dia.	0.82

**Insulation**

	<b>Skin Foam PE</b>
Nom. Thickness(mm)	1.42
Insulation Dia. (±0.08mm)	3.66
Al-maylar Shield (Overlapping, %)	>=25

**Braid Shield**

	<b>Copper Wire</b>
Construction (mm)	16/7/0.16
Coverage Area (%)	>=95

**Jacket**

	<b>PVC</b>	<b>CCTV</b>
Nom. Thickness (mm)	0.78	0.80
Min. Thickness(mm)	0.62	0.68
Cable Dia.(±0.20mm)	7.00	6.00

**POWER**

Rated Voltage/Temperature	30V/75°C
Flammability Test	CM
Conductor Stranded bare Copper (mm)	16/0.254
Insulation Dia(±0.2mm)	2.8
Cores: 1 Black 2.Red	
H(±0.2mm)	7.0
W(±0.2mm)	13.5
Rip Cord	Required
<b>Weight(kg/km)</b>	112.0

**Color**

**Jacket Color:**  
Per Customer Request

**Part No.:** 85301 85302

Ref. spec No. : Rev.: 2

**Revision History**

**Performance**

**Electrical Characteristics:**

Frequency (MHz)	Attenuation (dB/100m)
1	1.15
50	5.71
100	8.20
200	11.61
400	16.73
700	22.15
1000	28.87

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)	<=31.9
Velocity Of Propagation (%)	>=82

**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 Bond To dielectric (N)	>=2.3

**POWER INSULATION**

Mechanical Characteristics:		Jacket
Test Material		PVC
Before Tensile Strength (Mpa)		>=10.35
Aging Elongation (%)		>=100
Aging Condition (°C×hrs)		113±2°Cx168
After Tensile Strength (Mpa)		>=70% of original
Aging Elongation (%)		>=65% of original