



# Structured Cable Products

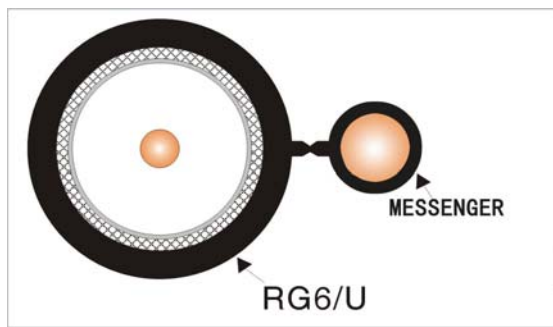
Quality Installations Deserve Quality Products

## RG6/U Bare Copper with Messenger

PART# RG6/U-BC-MES

### RG6/U-BC-MES

#### Cross Section



#### Construction

<b>Center Conductor:</b>	<b>Bare Copper</b>
AWG	18
Dia.	1.02
<b>Insulate:</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>Aluminum Wire</b>
Construction(mm)	16/5/0.12
Coverage Area(%)	>=60
<b>Jacket</b>	<b>PVC</b>
Nom. Thickness(mm)	0.8
Min. Thickness(mm)	0.55
Cable Dia.(mm)	6.91
<b>Messenger</b>	<b>Copper Clad Steel</b>
Awg	17
Dia	1.15
<b>Packing</b>	Accord to Contract
Appearance	Orderliness
Reel In Box	Per Request
Weight	57.5kg/km
Color	black
Length	500ft Plastic Reel In Box

#### Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100m)
5	1.90
10	2.66
55	5.25
211	10.10
250	11.02
270	11.48
300	12.14
330	12.76
350	13.15
400	14.11
450	15.03
500	15.88
550	16.70
600	17.52
750	19.69
870	21.33
1000	22.97
1250	25.00
1450	27.50
2200	34.00
2500	36.47
2750	37.94
3000	39.54

Dielectric Strength (kV/min)	1
Impedence (±3.0ohms)	75
SRL (dB,5~1000MHz)	>=20
Capacitance (pF/m)	53.1
Conductor DCR@ 20oC (ohms/km)	<=21.2
DC Loop Resistance@ 20oC (ohms/km)	<=41.8
Velocity Of Propagation (%)	>=82

#### Mechanical Characteristics:

Test Object:	Jacket
Test Material	PVC
Before Tensile strength (Mpa)	>=1.034
Aging Elongation (%)	>=200
Aging Condition (°C hrs)	113.0+_1.0_168
After Tensile strength (Mpa)	>=85% unaged
Aging Elongation (%)	>=50% unaged
Cold Bend (-20±2oC_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