

Detailed Specification & Technical Data



Q821F

CATV/MATV DBS RG11/U Quad Shield PE Jacket - Direct Burial

CATV/MATV DBS

Construction & Dimensions

CONDUCTOR PARAMETER	
• Number of Conductors	1
• AWG Size	14
• Conductor Stranding	Solid
• Conductor Type	Bare copper
• Nominal DCR	2.6 Ohm/1000ft
INSULATION PARAMETER	
• Insulation Type	Foam Polyethylene
• Insulation Thickness	0.28 in
SHIELDING PARAMETER	
• Shield Type	Overall 100% Aluminum Foil + Aluminum Braid 65%
• Shield Type 2	Overall 100% Aluminum Foil + Aluminum Braid 55%
• Nom. DCR Shield	2.6 Ohms/1000ft
ELECTRICAL CHARACTERISTICS	
• Nominal Impedance	75 Ohm
• Nom. Cap. Between Conductors	16.2 pF/ft

Overall Construction

OVERALL CONSTRUCTION PARAMETERS	
Jacket Type	Polyethylene
Nominal Cable O.D.	0.405 in
Plenum	No
NEC UL Rating	CATV - Direct Burial
RoHS Compliant	Yes
Bend Radius	4.05 in
Cable Weight	60 lbs
Max. Pull Tension	315 lbs

Overall Electrical & Optical Characteristics

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	
Nominal Velocity of Propagation (VP)	82 %
UL Flammability	Article 725
Operating Range	-25 to 60 Deg C
UL Voltage Rating	300

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Attenuation Performance

Frequency (MHz)	Attenuation (db/100ft)
5 MHz	0.38 db/100m
55 MHz	0.92 db/100m
100 MHz	1.2 db/100m
270 MHz	1.92 db/100m
400 MHz	2.4 db/100m
540 MHz	2.85 db/100m
750 MHz	3.9 db/100m
1000 MHz	4.05 db/100m
1450 MHz	5.05 db/100m
2250 MHz	6.79 db/100m
3000 MHz	7.58 db/100m

Related Products

RELATED PRODUCTS	
Plenum Number	25Q821
"F" Type Crimp	CN-F11ALX
"F" Type Compression	CN-FS11V

Part Numbers

Part Numbers	
Q821FBK1000	Black Jacket 1000ft Wooden Reel