

Aquaseal RG-59/U Type CCTV Coaxial Cable

Description:

- ASTM bare copper conductor
- Foam polyethylene insulation
- Bare copper braid shield
- **Waterblocked construction**
(Overall two ply waterblocking tape)
- Overall Sunlight and Moisture resistant PVC Jacket
- Standard spool size 1000 feet

Rating as per NEC:

- UL listed NEC CM
- Constructed in accordance with UL Standard 444
- Complies with UL1581 vertical tray flame test
- Meets 300 volts requirements as specified in section 800 and 725 of the NEC
- Passes the TIA-455-82B- Water Ingress Test

Applications

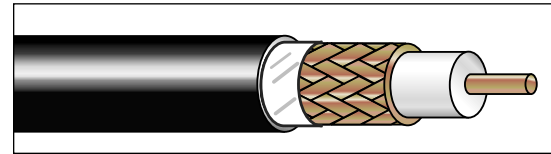
Materials suitable for outdoor use, indoor trays, and non-conduit per NEC:

- CCTV

Jacket Color: Black

Special Notes:

Aquaseal Water Resistant Cable- Registered trademark of West Penn Wire



Construction

Conductors	1
AWG Size	20
Stranding	Solid
Insulation with Tape Barrier	Foam Polyethylene
Water Blocking Tape	Two-Ply tape
Insulation Nom. O.D.	.142 inch (3.61 mm)
Shield Type and % Coverage	Bare Copper Braid 95%
Jacket Type	PVC
Nom. O.D.	.242 inch (6.15 mm)

Coaxial Cable Loss Factors		
Nominal Attenuation		
Mhz	db/100 ft	db/100 m
10	.68	2.23
50	1.80	5.90
150	3.0	9.80
200	3.54	11.60
400	4.71	15.45
700	6.40	20.99
900	7.33	24.04
1000	7.80	25.58

Electrical Characteristics

(Calculated Quantities)

Nominal Capacitance Conductor to Shield	16.2 pf per foot
	56 pf per meter
Vel. of Prop.	82%
Nom. Imp.	75 Ω
Nom. D.C.R. (Resistance) @ 20° C	10.1 Ω per 1000 feet

Suggested Connectors			
3 Piece (BNC)	2 Piece (BNC)	1 Piece (Twist-On)	"F Type" (1 Piece)
CN-BM53-2	CN-BM52-2	CN-BM51-2	CN-F59ALM
75Ω 3 Piece (BNC)	COMP. BNC	COMP. RCA	
CN-BM73-2	CN-BNCP-59	CN-RCAP-59	

Installation Considerations:

- Min Bend Radius 2.42"
- Max Pull Tension 50lbs



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724-222-7060
FAX: 724-222-6420

P. O. Box 762, 2833 West Chestnut St.
Washington, PA 15301

TOLL FREE: 800-245-4964
PA CALL: 800-222-8883