# **Detailed Specifications & Technical Data**



#### ENGLISH MEASUREMENT VERSION

#### 89259 Coax - 75 Ohm Coax



For more Information please call

1-800-Belden1



#### **General Description:**

22 AWG stranded (7x30) .030" bare copper conductor, plenum, foam FEP insulation, bare copper braid shield (95% coverage), FEP jacket.

Concernment       Concernment       Concernment         Table Network       Concernment       I         Test Network       Concernment       I         Outer Jacket Material       Concernment       I         More Concernment       I       I       I         More Concernment       I       I       I         More Concernment       I       I       I         More Concernment		
I a z z z z z z z z z z z z z z z z z z	Physical Characteristics (Overall)	
1         22         7.30         9C - Barro Copper         0.000           Total Number of Conductors:         1           Insulation         Insulation         Insulation           Outer Jacket         Insulation         Insulation           Outer Jacket         Insulation         Insulation           Insulation         Insulation         Insulation           Non-UL Tomperature Range:         -70°C To #20°C		
Total Number of Conductors:       1         Total Number of Conductors:       1         Treation:       Time of Conductors:         Time of Conductors:       Dia. (n.)         Outer Sheld Material:       Dia. (n.)         Outer of Conductors:       Dia. (n.)         Outer Sheld Material:       Dia. (n.)         Outer of Conductors:       Outer of Conductors:         Disethter of Conductors:       Outer of		
Insulation Material: Insulation Material: Insulation Material: Outer Sheld Material: Outer Sheld Material: Outer Jacket Outer Jacket Material: Outer Jacket Material:	1 22 7x30 BC - Bare Copper .030	
Bindle Colspan="2">Bindle Coverage (%)           Fiber Foom Fluorinated Ethylene Propyteme 135           Cover Shield Material:           Type Outer Shield Material:           Dyna         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):           Distribution (Boor Shield Material):         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):           Distribution (Boor Shield Material):         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):           Over Shield Material:           Distribution (Boor Shield Material):         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):           Outer Shield Material:         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):           Outer Shield Material:         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):           Moder Shield Material:         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):           Moder Shield Material:         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):         Distribution (Boor Shield Material):           Moderial Caberiants: <th< th=""><th>Total Number of Conductors:</th><th>1</th></th<>	Total Number of Conductors:	1
Instance         Dis. (m)           FFEP - Foom Florinated Ethylene Propynene         135           Outer Shield Material:         Instance           Outer Jacket         Instance           Outer Jacket Material:         Instance           Moult Temperature Range:         70°C To +200°C           Max. Recommended Pulling Tension:         20°C           Max. Recommended Pulling Tension:         20°C           Max. Bead Readus Minor Axis:         2 In           Ethylespecifications and Agency Compliance Outeruling         Gui P           GEGC(UL) Specifications:         CMP           Ethylespecification:         CMP           EU Dinectiva 2003/EC (Ethyl):		
FFEP- Foom Fluorinated Elhytere Propytere 135         Outer Shield Material: Type Shield S		
Outer Jack Bield Material         Second		
Outer Jack Bield Material         Second	Outer Shield	
Brad [BC - Bare Copper]         95           Outer Jacktet Misrial [FEP - Fluorinated Elhylene Propylene         0193 in.           Overall Cable Overall Cable         0.193 in.           Overall Moninal Diameter:         0.193 in.           Monical Characteristics (Overall)         0           Monical Characteristics (Overall)         0           Mon-Dul Temperature Range:         -70°C To +200°C           Mon-Dul Temperature Range:         20°C           Buck Cable Weight:         32 lbs/1000 ft.           Max. Recommended Pulling Tension:         70 lbs.           Min. Bend Radius/Minor Axis:         2 in.           Applicable Specifications and Agency Compliance (Overall)         0           Applicable Standards & Environmental Programs         MIP           EU Cluart:         No           EU Cluart:         No           EU Directive 2000/SICC (ELV):         Yes           EU Directive 2000/SICC (ELV):         Yes </th <th>Outer Shield Material:</th> <th></th>	Outer Shield Material:	
Outor Jacket Materiai:           Outor Jacket Materiai:           Overall Cable           Overall Characteristics (Overall)           Operating Temperature Range:         -70°C To +200°C           Nen-UL Temperature Rating:         20°C           Bulk Cable Weight:         32 lbs/1000 ft.           Max. Recommended Pulling Tension:         70 lbs.           Min. Bend Radius/Minor Axis:         2 in.           Applicable Specifications and Agency Compliance (Overall)         Applicable Standards & Environmental Programs           NEC(/UL) Specification:         CMP           EU Directive 2011/65/EU (ROHS II):         Yes           EU Directive 2011/65/EU (ROHS):         Yes           EU Directive 2000/53/EC (RuHS):         Yes           EU Directive 2000/53/EC (WEEE):         Yes		
NEC/UL Specification:           CMP           Overall Cable           Overall Cable Cable           Overall Cable		
Dutor Jacket Matorial FEP - Flucinated Ethylene Propylene           Verall Nomial Diameter:         0.193 in.           Overall Nomial Diameter:         0.193 in.           Moreall Characteristics (Overall)         0           Veralls Temperature Range:         -70°C To +200°C           Non-UL Temperature Range:         200°C           Max. Recommended Pulling Tension:         70° L To +200°C           Max. Recommended Pulling Tension:         70 bs.           Min. Band Radius/Minor Axis:         2 in.           Applicable Specifications and Agency Compliance (Overall)         Verall Nominal State Environmental Programs           NEC(UL) Specifications:         CMP           CEC/CUL) Specification:         CMP           EU Directive 200/35C (ELV):         Yes           EU Directive 200/35C (ELV):         Yes           EU Directive 200/35C (ClV):		
Overall Cable         Overall Nominal Diameter:         0.193 in.           Mechanical Characteristics (Overall)		
overall Nominal Diameter:         0.193 in.           Moreilla Characcteristics (Overall)         -70°C To +200°C           Non-UL Temperature Range:         -70°C To +200°C           Buik Cable Weight:         32 los/1000 ft.           Max. Recommended Pulling Tension:         70 lbs.           Min. Bend Radius/Minor Axis:         2 in.           CMP           COMP           COMP           COMP           COMP           Colspan="2">Colspan="2">Colspandiance Date	FEP - Fluorinated Ethylene Propylene	
Mechanical Characteristics (Overall)           Operating Temperature Range:         -70°C To +200°C           Non-UL Temperature Range:         200°C           Bulk Cable Weight:         32 lbs/1000 ft.           Max. Recommended Pulling Tension:         70 lbs.           Min. Bend Radlus/Minor Axis:         2 in.           Applicable Specifications and Agency Compliance (Overall)         Applicable Standards & Environmental Programs           Applicable Standards & Environmental Programs         CMP           EU Directive 2011/65/EU (ROHS II):         Yes           EU Directive 2002/53/EC (ELV):         Yes           EU Directive 2002/53/EC (RoHS):         Yes           EU Directive 2002/56/EC (WEEE):         Yes           EU Directive 2003/11/EC (BFR):         Yes           EU Directive 2003/56/EC (WEEE):         Yes           EU Directive 2003/11/EC (BFR):         Yes           <	Overall Cable	
Operating Temperature Rating:         -70°C To +200°C           Non-UL Temperature Rating:         200°C           Bulk Cable Weight:         32 lbs/1000 ft.           Max. Recommended Pulling Tension:         70 lbs.           Max. Recommended Pulling Tension:         2 in.           Min. Bend Radius/Minor Axis:         2 in.           Applicable Specifications and Agency Compliance (UV=rII)         Vertex           Applicable Standards & Environmental Programs         CGC/O(LL) Specification:         CMP           EU Circlu's 2011/65/EU (ROHS II):         Yes         Vertex           EU Directive 2020/53/EC (ELV):         Yes         Vertex           EU Directive 2020/53/EC (ROHS):         Yes         Vertex           EU Directive 2020/54/EC (WEEE):         Yes         Vertex           EU Directive 2020/54/EC (WEES):         Yes         Yes	Overall Nominal Diameter:	0.193 in.
Operating Temperature Rating:         -70°C To +200°C           Non-UL Temperature Rating:         200°C           Bulk Cable Weight:         32 lbs/1000 ft.           Max. Recommended Pulling Tension:         70 lbs.           Max. Recommended Pulling Tension:         2 in.           Min. Bend Radius/Minor Axis:         2 in.           Applicable Specifications and Agency Compliance (UV=rII)         Vertex           Applicable Standards & Environmental Programs         CGC/O(LL) Specification:         CMP           EU Circlu's 2011/65/EU (ROHS II):         Yes         Vertex           EU Directive 2020/53/EC (ELV):         Yes         Vertex           EU Directive 2020/53/EC (ROHS):         Yes         Vertex           EU Directive 2020/54/EC (WEEE):         Yes         Vertex           EU Directive 2020/54/EC (WEES):         Yes         Yes	Mechanical Characteristics (Overall)	
Non-UL Temperature Rating:         200°C           Bulk Cable Weight:         32 lbs/1000 ft.           Max. Recommended Pulling Tension:         70 lbs.           Min. Bend Radius/Minor Axis:         2 in.           Applicable Specifications and Agency Compliance (Overall)         Applicable Standards & Environmental Programs           NEC/(UL) Specification:         CMP           CEC/C(UL) Specification:         CMP           EU Directive 2011/65/EU (ROHS II):         Yes           EU Directive 2002/95/EC (RHS):         Yes           EU Directive 2002/96/EC (WEEE):         Yes           EU Directive 2002/96/EC (WEEE):         Yes           EU Directive 2002/96/EC (MEEE):         Yes           GT Prop 65 (CJ for Wire & Cable):         Yes           RG Type:		-70°C To +200°C
Bulk Cable Weight:         32 lbs/1000 ft.           Max. Recommended Pulling Tension:         70 lbs.           Min. Bend Radius/Minor Axis:         2 in.           Applicable Specifications and Agency Compliance (UVER)           Applicable Specifications and Agency Compliance (UVER)           Applicable Specification:         CMP           CEC/C(UL) Specification:         CMP           EU Directive 2011/65/EU (ROHS II):         Yes           EU Directive 2000/53/EC (ELV):         Yes           EU Directive 2000/53/EC (RoHS):         Yes           EU Directive 2000/54/EC (WEEE):         Yes           EU Directive 2000/54/EC (WEEE):         Yes           CA Prop 65 (CJ for Wire & Cable):         Yes           RG Type:         S9/U		
Max. Recommended Pulling Tension:     70 lbs.       Min. Bend Radius/Minor Axis:     2 in.       Applicable Specifications and Agency Compliance (Overall)       Applicable Standards & Environmental Programs       NEC/(UL) Specification:     CMP       CEC/C(UL) Specification:     CMP       EU Directive 2011/65/EU (ROHS II):     Yes       EU CE Mark:     No       EU Directive 2000/53/EC (ELV):     Yes       EU Directive 2000/53/EC (ROHS):     Yes       EU Directive 2003/11/EC (ROHS):     Yes       EU Directive 2003/11/EC (BFR):     Yes		
Min. Bend Radius/Minor Axis:       2 in.         Applicable Specifications and Agency Compliance (Overall)         Applicable Standards & Environmental Programs         NEC/(UL) Specification:       CMP         CEC/C(UL) Specification:       CMP         EU Directive 2011/65/EU (ROHS II):       Yes         EU CE Mark:       No         EU Directive 2000/53/EC (ELV):       Yes         EU Directive 2000/53/EC (ELV):       Yes         EU Directive 2002/95/EC (ROHS):       Yes         EU Directive 2002/95/EC (ROHS):       Yes         EU Directive 2002/95/EC (WEEE):       Yes         EU Directive 2003/11/EC (BFR):       Yes         EU Directive 2003/11/EC (BFR):       Yes         MII Order #39 (China RoHS):       Yes         RG Type:       59/U	-	
Applicable Specifications and Agency Compliance (Overall)         Applicable Standards & Environmental Programs         NEC/(UL) Specification:       CMP         CEC/C (UL) Specification:       CMP         EU Directive 2011/65/EU (ROHS II):       Yes         EU Directive 2000/53/EC (ELV):       Yes         EU Directive 2000/53/EC (RoHS):       Yes         EU Directive 2001/53/EC (RoHS):       Yes         EU Directive 2002/95/EC (RoHS):       Yes         EU Directive 2002/95/EC (NEEE):       Yes         EU Directive 2003/11/EC (BFR):       Yes         GA Prop 65 (CJ for Wire & Cable):       Yes         MII Order #39 (China RoHS):       Yes         RG Type:       S9/U	-	
Applicable Standards & Environmental Programs         NEC/(UL) Specification:       CMP         CEC/C(UL) Specification:       CMP         EU Directive 2011/65/EU (ROHS II):       Yes         EU CE Mark:       No         EU Directive 2000/53/EC (ELV):       Yes         EU Directive 2002/95/EC (ROHS):       Yes         EU Directive 2002/95/EC (ROHS):       Yes         EU Directive 2002/95/EC (ROHS):       Yes         EU Directive 2002/96/EC (WEEE):       Yes         EU Directive 2003/11/EC (BFR):       Yes         CA Prop 65 (CJ for Wire & Cable):       Yes         MIl Order #39 (China RoHS):       Yes         RG Type:       S9/U	Min. Bend Radius/Minor Axis:	2 in.
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CEC/C(UL) Specification:CMPEU Directive 2011/65/EU (ROHS II):YesEU CE Mark:NoEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):04/01/2005EU Directive 2002/96/EC (WEEE):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):YesRG Type:59/U		
EU Directive 2011/65/EU (ROHS II):YesEU CE Mark:NoEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (ROHS):YesEU Directive 2002/95/EC (ROHS):04/01/2005EU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):YesRG Type:59/U	NEC/(UL) Specification:	СМР
EU CE Mark:NoEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (RoHS):YesEU RoHS Compliance Date (mm/dd/yyyy):04/01/2005EU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):YesRG Type:59/U	CEC/C(UL) Specification:	CMP
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EU Directive 2002/96/EC (WEEE):     Yes       EU Directive 2003/11/EC (BFR):     Yes       CA Prop 65 (CJ for Wire & Cable):     Yes       MII Order #39 (China RoHS):     Yes       RG Type:     59/U	EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):YesRG Type:59/U	EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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CA Prop 65 (CJ for Wire & Cable):     Yes       MII Order #39 (China RoHS):     Yes       RG Type:     59/U		
MII Order #39 (China RoHS):         Yes           RG Type:         59/U		
RG Type: 59/U		
	Flame Test	Jai U

Flame Test

NFPA 262

## **Detailed Specifications & Technical Data**

#### ENGLISH MEASUREMENT VERSION



#### 89259 Coax - 75 Ohm Coax

CSA Flame Test:	FT6	
itability		
Suitability - Outdoor:	Yes	
Suitability - Burial:	Yes	
num/Non-Plenum		
Plenum (Y/N):	Yes	
Non-Plenum Number:	9259	

	75							
No	m. Inductand							
	Inductance	(µH/ft)						
	.092							
No	m. Capacitar	nce Conductor to Shield:						
	Capacitance (pF/ft)							
	17.3							
No	Nominal Velocity of Propagation:							
	VP (%)							
	78							
No	minal Delay:							
	Delay (ns/ft)							
	1.3							
	Nom. Conductor DC Resistance:							
No	m. Conducto	or DC Resistance:						
No		or DC Resistance: C (Ohm/1000 ft)						
No								
	<b>DCR @ 20°C</b> 15							
	DCR @ 20°C 15 ominal Outer	; (Ohm/1000 ft)						
	DCR @ 20°C 15 ominal Outer	C (Ohm/1000 ft) Shield DC Resistance:						
No	DCR @ 20°C 15 minal Outer DCR @ 20°C	C (Ohm/1000 ft) Shield DC Resistance: C (Ohm/1000 ft)						
No	DCR @ 20°C 15 minal Outer DCR @ 20°C 2.6 m. Attenuati	C (Ohm/1000 ft) Shield DC Resistance: C (Ohm/1000 ft)						
No	DCR @ 20°C 15 minal Outer DCR @ 20°C 2.6 m. Attenuati	C (Ohm/1000 ft) Shield DC Resistance: C (Ohm/1000 ft) on:						
No	DCR @ 20°C 15 minal Outer DCR @ 20°C 2.6 m. Attenuati Freq. (MHz)	C (Ohm/1000 ft) Shield DC Resistance: C (Ohm/1000 ft) on: Attenuation (dB/100 ft.)						
No	DCR @ 20°C 15 minal Outer DCR @ 20°C 2.6 m. Attenuati Freq. (MHz) 1	C (Ohm/1000 ft) Shield DC Resistance: C (Ohm/1000 ft) on: Attenuation (dB/100 ft.) .3						
No	DCR @ 20°C 15 minal Outer DCR @ 20°C 2.6 m. Attenuatie Freq. (MHz) 1 10	C (Ohm/1000 ft) Shield DC Resistance: C (Ohm/1000 ft) on: Attenuation (dB/100 ft.) .3 .9						
No	DCR @ 20°C 15 minal Outer DCR @ 20°C 2.6 m. Attenuatie Freq. (MHz) 1 10 50	C (Ohm/1000 ft) Shield DC Resistance: C (Ohm/1000 ft) on: Attenuation (dB/100 ft.) .3 .9 2.1						

10.1 1000 11.0

9.0

Max. Operating Voltage - UL: Voltage

300 V RMS

700

900

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89259 010100	100 FT	5.100 LB	BLACK		#22 COAX FEP RG59/U
89259 0101000	1,000 FT	33.000 LB	BLACK	С	#22 COAX FEP RG59/U
89259 010500	500 FT	17.500 LB	BLACK	С	#22 COAX FEP RG59/U

Notes:

C = CRATE REEL PUT-UP.

Revision Date: 09-20-2012 Revision Number: 1

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