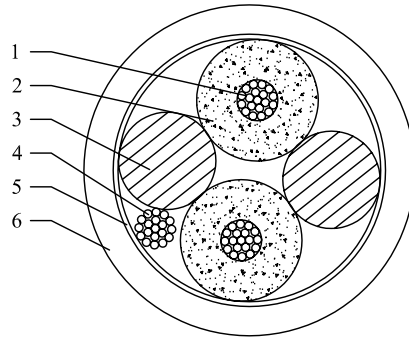


REV.	DESCRIPTION	DATE
0	Initial Release.	01/11/2007
1	Changed filler dimension.	02/02/2007
2	Corrected dimensions Added p/n.	05/14/2007
3	Revised design.	06/20/2007
4	Revised conductor.	10/18/2007

General Composition of Cable:



Color Code	
Conductor 1	Green
Conductor 2	Yellow
Jacket	Black

Construction Details:


1. Conductor:	0.80 mm ² 19/0.23mm Bare Copper	1.07mm (0.042") OD Nom.
2. Insulation:	Radx-cell, 1.05mm (41.5 mil) wall Nom.	3.17mm (0.125") OD Nom.
3. Filler:	Foamed PP	2.54mm (0.100") OD Nom.
4. Drain:	0.80 mm ² 19/0.23mm Bare Copper	1.07mm (0.042") OD Nom.
Cabling:	2 primaries, drain & fillers twisted Lay Length: 50.8mm (2.0") nom.	6.86mm (0.270") OD Nom.
5. Shield:	3.0 mil AL/MY, spiral wrapped, 20% overlap, foil in	7.11mm (0.280") OD Nom.
6. Jacket:	RADXL 150FX, 0.76mm (30 mil) wall Nom.	8.64mm (0.340") OD Nom.
	Print: Radxl 1939-11 0.80 mm ²	

Electrical Data:

Operating voltage:	300 volts maximum
Temperature Rating:	-40 °C to +125 °C
Conductor Resistance:	25.13 ohms/km 7.66 ohms/ft @ 20 °C nominal
Characteristic Impedance:	120 Ohms +/- 12 ohms @ 1MHz with shield grounded

General Data:

Use:	CAN-bus cable
Minimum Bend Radius:	96.5mm (3.8")

 175 HERCULES DRIVE COLCHESTER, VT 05446 802-654-4200	TITLE		120 OHM CAN-bus Twin Conductor Cable 0.80mm2	
	UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE IN INCHES DO NOT SCALE THIS DRAWING	DRN.		DATE
Scott Hood		01/11/2007		
CKD.		DATE		
		SIZE	PART NUMBER	DOCUMENT NUMBER
		A	23-00073-001	13036
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CAN-bus Cross Reference

Drawing	Part Number		Slant	Size	Type	Primary Ins.	Jacket Compound	Raychem Equiv. Part	Northwire Equiv
11841	23-00013	SAE J-1939	/11	0.5mm ² 19/.18mm	TC	Solid	Radxl-150A		
13035	23-00072	SAE J-1939	/11	0.5mm ² 19/.18mm	BC	Foamed	Radxl-FX	2021D0309	
11875	23-00028	SAE J-1939	/11	0.5mm ² 19/.18mm	BC	Solid	Radxl-150A		
12557	23-00033	SAE J-1939	/11	0.5mm ² 19/.18mm	BC	Foamed	Radxl-125		FJ1939202-00X ²
12968	23-00036	SAE J-1939	/11	0.5mm ² 19/.18mm	BC	Solid	Radxl-FX		
13071	23-00076	SAE J-1939	/11	0.5mm ² 19/.18mm	BC	Foamed	Radxl-125		
13035	23-00072	SAE J-1939	/11	0.5mm ² 19/.18mm	BC	Foamed	Radxl-FX		
13036	23-00073	CAN-bus	NA	0.80mm ² 19/.23mm	BC	Foamed	Radxl-FX	2019D0301 2019D0309 2018E0309 ¹	
11995	23-00037	SAE J-1939	/11	18 19/.0092	BC	Solid	Radxl-FX		
12707	23-00065	SAE J-1939	/11	18 19/.0092	BC	Foamed	Radxl-125		193918182-00X ³
12823	15-07513	SAE J-1939	/12	20 19/32	TC	Solid	Radxl-FX		
13028	23-00074	CAN-bus	NA	20 7/28	BC	Foamed	Radxl-125		
12507	15-07271	SAE J-1939	/15	20 7/28	BC	Solid	Radxl-125		
12051	15-07445	SAE J-1939	/15	20 7/28	BC	Solid	Radxl-FX	2020D0309	
12903	15-07508	SAE J-1939	/15	20 19/32	BC	Solid	Radxl-FX		
12898	23-00070	SAE J-1939	/15	0.80mm ² 19/.23mm	BC	Solid	Radxl-125	2019E0309	
12374	15-07353	SAE J-1939	/15	18 19/.0092	BC	Solid	Radxl-125	2018D0309 ⁴	
12063	15-07272	SAE J-1939	/15	18 19/.0092	BC	Solid	Radxl-FX	2018D0309 ⁴	

¹Raychem Conductor Diameter .046" Nom.

Champlain Cable Conductor .042" Nom.

²Northwire Primary OD .113" Nom.

Champlain Cable Primary OD .106" Nom. Northwire Drain wire 20 19/32 TC

Champlain Cable Drain Wire 20 10/30 TC

³Northwire Primary OD .125" Nom.

Champlain Cable Primary OD .137" Nom. Northwire Drain Wire 18 16/30 TC

Champlain Cable Drain Wire 18 19/.0092 TC

⁴Raychem Primary OD .104" Nom.

Champlain Cable Primary OD .092" Nom

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