

EcoFlex® Cable

600 V Continuous Flex Control Cable



Rated for over 1 million flex life cycles, EcoFlex is a fully recyclable compact cable that's up to 32% smaller and 55% lighter than PVC.

- Up to 32% smaller and 55% lighter than PVC
- Long flex life for machines with constant motion or flexing
- Up to 91% lower outgassing
- Contains no halogens, PVC, phthalates, or heavy metals
- Exceptional EMI performance with Supra-Shield® foil + braid

Conductors: Stranded tinned copper

Insulation: mPPE

Jacket: mPPE, Slate

Shielding: Unshielded, foil shield, Supra-Shield® foil + braid

Voltage: 600 V

Bend Radius:
Unshielded: 5x

Temperature Range: -40°C to + 105°C

Availability: 100', 1000' (30.5 m, 305 m)
Bulk, cut to length

Configurations

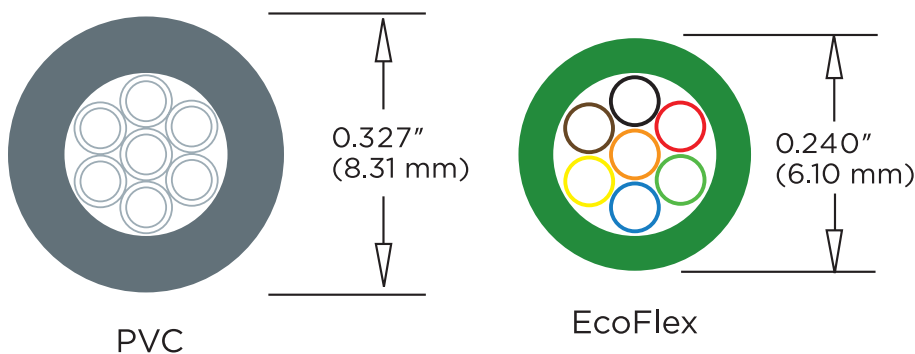
- Unshielded multiconductor
- Braid shielded multiconductor
- Supra-Shield® foil + braid shielded multiconductor
- Custom configurations available



Approvals

- UL AWM 21819 (600 V, 105°C)
- UL AWM 21492 (300 V, 80°C)
- CE
- UL VW-1
- CSA AWM I/II A/B FT1
- IEC 60332-2 Flame Behavior
- RoHS
- REACH
- WEEE
- Suitable for use in NFPA 79 applications
- ISO 10993-5

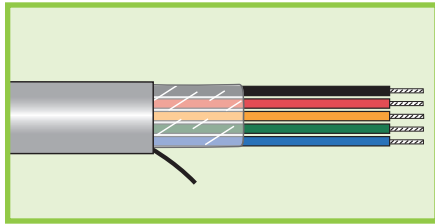
20 AWG (0.51 mm²) 7-Conductor Unshielded Cable



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EcoFlex® Cable

600 V Unshielded, Multiconductor



UL AWM 21819 (600 V, 105°C)
UL AWM 21492 (300 V, 80°C)
UL VW-1
CSA I/II A/B FT1

Temperature Range

-40°C to + 80°C

Conductor Color Coding

- Chart D

Materials

- Tinned copper conductors
- mPPE insulation
- mPPE jacket, slate

Bend Radius

- Unshielded: 5x static, 5x flexing
- Shielded: 6x static, 8x flexing

Properties

- Zero halogen
- Specific gravity: 1.03
- 100% recyclable
- Low outgassing
- Suitable for use in NFPA 79 applications
- IEC 60332-2 Flame Behavior

Availability

100 ft (30.5 m)
 1000 ft (305 m)
 Bulk, cut to length

FIT® Tubing Recommendations

- FIT-221L: Low smoke zero halogen
- FIT Spiral Wrap: Zero-halogen wrap simplifies wire harnessing, cabling, and bundling

28 AWG (0.09 mm²)

Stranding: 7/36 (7 x 0.13 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79061	2	0.142	3.61
79062	3	0.147	3.73

26 AWG (0.14 mm²)

Stranding: 7/34 (7 x 0.16 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79056	2	0.150	3.81
79057	3	0.156	3.96
79058	4	0.166	4.22
79059	6	0.189	4.80
79060	8	0.216	5.49

24 AWG (0.24 mm²)

Stranding: 19/36 (19 x 0.13 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79050	2	0.162	4.11
79051	3	0.169	4.29
79052	4	0.181	4.60
79053	6	0.207	5.26
79054	8	0.238	6.05
79055	10	0.257	6.53

22 AWG (0.38 mm²)

Stranding: 19/34 (19 x 0.16 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

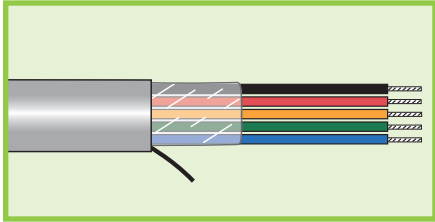
Part Number	Conductors	Nominal Diameter	
		Inch	mm
79044	2	0.176	4.47
79045	3	0.184	4.67
79046	4	0.198	5.03
79047	6	0.228	5.79
79048	8	0.264	6.71
79049	10	0.286	7.26



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EcoFlex® Cable

600 V Unshielded, Multiconductor



UL AWM 21819 (600 V, 105°C)
UL AWM 21492 (300 V, 80°C)
UL VW-1
CSA I/II A/B FT1

Temperature Range

-40°C to + 80°C

Conductor Color Coding

- Chart D

Materials

- Tinned copper conductors
- mPPE insulation
- mPPE jacket, slate

Bend Radius

- Unshielded: 5x static, 5x flexing
- Shielded: 6x static, 8x flexing

Properties

- Zero halogen
- Specific gravity: 1.03
- 100% recyclable
- Low outgassing
- Suitable for use in NFPA 79 applications
- IEC 60332-2 Flame Behavior

Availability

100 ft (30.5 m)
 1000 ft (305 m)
 Bulk, cut to length

FIT® Tubing Recommendations

- FIT-221L: Low smoke zero halogen
- FIT Spiral Wrap: Zero-halogen wrap simplifies wire harnessing, cabling, and bundling

20 AWG (0.51 mm²)

Stranding: 10/30 (10 x 0.25 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79001	2	0.184	4.67
79002	3	0.193	4.90
79003	4	0.207	5.26
79004	5	0.224	5.69
79005	7	0.240	6.10
79006	9	0.296	7.52
79007	12	0.303	7.70
79008	18	0.349	8.86

18 AWG (0.81 mm²)

Stranding: 16/30 (16 x 0.25 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79010	2	0.208	5.28
79011	3	0.219	5.56
79012	4	0.236	5.99
79013	5	0.256	6.50
79014	7	0.277	7.04
79015	9	0.344	8.74
79016	12	0.353	8.97
79017	18	0.411	10.44

16 AWG (1.32 mm²)

Stranding: 26/30 (26 x 0.25 mm)
 Insulation thickness: 0.011 (0.28 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79019	2	0.236	5.99
79020	3	0.249	6.32
79021	4	0.270	6.86
79022	5	0.294	7.47
79023	7	0.319	8.10
79024	9	0.400	10.16
79025	12	0.411	10.44
79026	18	0.481	12.22

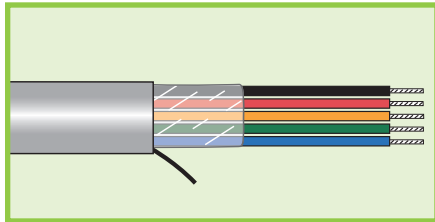


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EcoFlex® Cable

600 V Unshielded, Multiconductor



UL AWM 21819 (600 V, 105°C)
UL AWM 21492 (300 V, 80°C)
UL VW-1
CSA I/II A/B FT1

Temperature Range

-40°C to + 80°C

Conductor Color Coding

- Chart D

Materials

- Tinned copper conductors
- mPPE insulation
- mPPE jacket, slate

Bend Radius

- Unshielded: 5x static, 5x flexing
- Shielded: 6x static, 8x flexing

Properties

- Zero halogen
- Specific gravity: 1.03
- 100% recyclable
- Low outgassing
- Suitable for use in NFPA 79 applications
- IEC 60332-2 Flame Behavior

Availability

100 ft (30.5 m)
 1000 ft (305 m)
 Bulk, cut to length

FIT® Tubing Recommendations

- FIT-221L: Low smoke zero halogen
- FIT Spiral Wrap: Zero-halogen wrap simplifies wire harnessing, cabling, and bundling

14 AWG (2.08 mm²)

Stranding: 41/30 (41 x 0.25 mm)
 Insulation thickness: 0.011 (0.28 mm)
 Jacket thickness: 0.035 (0.81 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79028	2	0.266	6.76
79029	3	0.281	7.14
79030	4	0.307	7.80
79031	5	0.335	8.51
79032	7	0.364	9.25
79033	9	0.459	11.66
79034	12	0.473	12.01
79035	18	0.556	14.12

12 AWG (3.29 mm²)

Stranding: 65/30 (65 x 0.25 mm)
 Insulation thickness: 0.012 (0.30 mm)
 Jacket thickness: 0.035 (0.81 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79037	3	0.326	8.28
79038	4	0.358	9.09
79039	5	0.392	9.96
79040	7	0.428	10.87

10 AWG (5.32 mm²)

Stranding: 105/30 (105 x 0.25 mm)
 Insulation thickness: 0.012 (0.30 mm)
 Jacket thickness: 0.035 (0.81 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79041	3	0.380	9.65
79042	4	0.423	10.74
79043	5	0.465	11.81

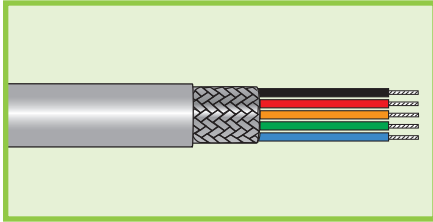


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EcoFlex® Cable

600 V Braid Shield, Multiconductor



UL AWM 21819 (600 V, 105°C)
UL AWM 21492 (300 V, 80°C)
UL VW-1
CSA I/II A/B FT1

Temperature Range

-40°C to + 80°C

Conductor Color Coding

- Chart D

Materials

- Tinned copper conductors
- mPPE insulation
- Tinned copper braid, 70% min. coverage
- mPPE jacket, slate

Bend Radius

- Unshielded: 5x static, 5x flexing
- Shielded: 6x static, 8x flexing

Properties

- Zero halogen
- Specific gravity: 1.03
- 100% recyclable
- Low outgassing
- Suitable for use in NFPA 79 applications
- IEC 60332-2 Flame Behavior

Availability

100 ft (30.5 m)
 1000 ft (305 m)
 Bulk, cut to length

FIT® Tubing Recommendations

- FIT-221L: Low smoke zero halogen
- FIT Spiral Wrap: Zero-halogen wrap simplifies wire harnessing, cabling, and bundling

20 AWG (0.51 mm²)

Stranding: 10/30 (10 x 0.25 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79101	2	0.210	5.33
79102	3	0.219	5.56
79103	4	0.233	5.92
79104	5	0.250	6.35
79105	7	0.266	6.76
79106	9	0.321	8.15
79107	12	0.329	8.36
79108	18	0.376	9.55

18 AWG (0.81 mm²)

Stranding: 16/30 (16 x 0.25 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79109	2	0.236	5.99
79110	3	0.247	6.27
79111	4	0.264	6.71
79112	5	0.284	7.21
79113	7	0.305	7.75
79114	9	0.372	9.45
79115	12	0.381	9.68

16 AWG (1.32 mm²)

Stranding: 26/30 (26 x 0.25 mm)
 Insulation thickness: 0.011 (0.28 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79116	2	0.262	6.65
79117	3	0.275	6.98
79118	4	0.296	7.52
79119	5	0.320	8.13
79120	7	0.345	8.76

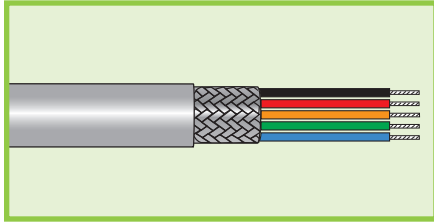


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EcoFlex® Cable

600 V Braid Shield, Multiconductor



UL AWM 21819 (600 V, 105°C)
UL AWM 21492 (300 V, 80°C)
UL VW-1
CSA I/II A/B FT1

Temperature Range

-40°C to + 80°C

Conductor Color Coding

- Chart D

Materials

- Tinned copper conductors
- mPPE insulation
- Tinned copper braid, 70% min. coverage
- mPPE jacket, slate

Bend Radius

- Unshielded: 5x static, 5x flexing
- Shielded: 6x static, 8x flexing

Properties

- Zero halogen
- Specific gravity: 1.03
- 100% recyclable
- Low outgassing
- Suitable for use in NFPA 79 applications
- IEC 60332-2 Flame Behavior

Availability

100 ft (30.5 m)
 1000 ft (305 m)
 Bulk, cut to length

FIT® Tubing Recommendations

- FIT-221L: Low smoke zero halogen
- FIT Spiral Wrap: Zero-halogen wrap simplifies wire harnessing, cabling, and bundling



14 AWG (2.08 mm²)

Stranding: 41/30 (41 x 0.25 mm)
 Insulation thickness: 0.011 (0.28 mm)
 Jacket thickness: 0.035 (0.81 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79121	2	0.294	7.47
79122	3	0.309	7.85
79123	4	0.335	8.51
79124	5	0.363	9.22
79125	7	0.392	9.96

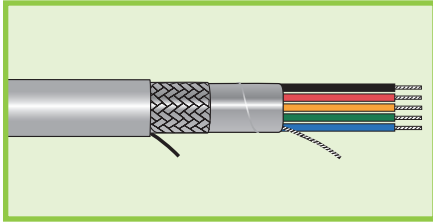
12 AWG (3.29 mm²)

Stranding: 65/30 (65 x 0.25 mm)
 Insulation thickness: 0.012 (0.30 mm)
 Jacket thickness: 0.035 (0.81 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79126	3	0.354	8.99
79127	4	0.386	9.80



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UL AWM 21819 (600 V, 105°C)
UL AWM 21492 (300 V, 80°C)
UL VW-1
CSA I/II A/B FT1

Temperature Range

-40°C to + 80°C

Conductor Color Coding

- Chart D

Materials

- Tinned copper conductors
- mPPE insulation
- Supra-Shield foil + braid shield: Aluminum/polyester/aluminum foil with 25% overlap min. Tinned copper drain wire Tinned copper braid, 70% coverage min.
- mPPE jacket, slate

Bend Radius

- Unshielded: 5x static, 5x flexing
- Shielded: 6x static, 8x flexing

Properties

- Zero halogen
- Specific gravity: 1.03
- 100% recyclable
- Low outgassing
- Suitable for use in NFPA 79 applications
- IEC 60332-2 Flame Behavior

Availability

100 ft (30.5 m)
 1000 ft (305 m)
 Bulk, cut to length

FIT® Tubing Recommendations

- FIT-221L: Low smoke zero halogen
- FIT Spiral Wrap: Zero-halogen wrap simplifies wire harnessing, cabling, and bundling

28 AWG (0.09 mm²)

Stranding: 7/36 (7 x 0.13 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79261	2	0.174	4.42
79262	3	0.179	4.55

26 AWG (0.14 mm²)

Stranding: 7/34 (7 x 0.16 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79256	2	0.182	4.62
79257	3	0.188	4.78
79258	4	0.198	5.03
79259	6	0.221	5.61
79260	8	0.248	6.30

24 AWG (0.24 mm²)

Stranding: 19/36 (19 x 0.13 mm)
 Insulation thickness: 0.011 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79250	2	0.194	4.93
79251	3	0.201	5.11
79252	4	0.213	5.41
79253	6	0.239	6.07
79254	8	0.270	6.86
79255	10	0.289	7.34

22 AWG (0.38 mm²)

Stranding: 19/34 (19 x 0.16 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79244	2	0.208	5.28
79245	3	0.216	5.49
79246	4	0.230	5.84
79247	6	0.260	6.60
79248	8	0.296	7.52
79249	10	0.318	8.08

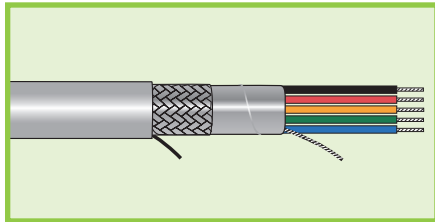


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EcoFlex® Cable

600 V Supra-Shield® Foil + Braid Shield, Multiconductor



UL AWM 21819 (600 V, 105°C)
UL AWM 21492 (300 V, 80°C)
UL VW-1
CSA I/II A/B FT1

Temperature Range

-40°C to + 80°C

Conductor Color Coding

- Chart D

Materials

- Tinned copper conductors
- mPPE insulation
- Supra-Shield foil + braid shield:
Aluminum/polyester/aluminum foil with 25% overlap min.
Tinned copper drain wire
Tinned copper braid,
70% coverage min.
- mPPE jacket, slate

Bend Radius

- Unshielded: 5x static, 5x flexing
- Shielded: 6x static, 8x flexing

Properties

- Zero halogen
- Specific gravity: 1.03
- 100% recyclable
- Low outgassing
- Suitable for use in NFPA 79 applications
- IEC 60332-2 Flame Behavior

Availability

100 ft (30.5 m)
 1000 ft (305 m)
 Bulk, cut to length

FIT® Tubing Recommendations

- FIT-221L: Low smoke zero halogen
- FIT Spiral Wrap: Zero-halogen wrap simplifies wire harnessing, cabling, and bundling

20 AWG (0.51 mm²)

Stranding: 10/30 (10 x 0.25 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79201	2	0.216	5.49
79202	3	0.225	5.72
79203	4	0.239	6.07
79204	5	0.256	6.50
79205	7	0.272	6.91
79206	9	0.328	8.33
79207	12	0.335	8.51
79208	18	0.382	9.70

18 AWG (0.81 mm²)

Stranding: 16/30 (16 x 0.25 mm)
 Insulation thickness: 0.010 (0.25 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79210	2	0.242	6.15
79211	3	0.253	6.43
79212	4	0.270	6.86
79213	5	0.290	7.37
79214	7	0.311	7.90
79215	9	0.378	9.60
79216	12	0.387	9.83
79217	18	0.445	11.30

16 AWG (1.32 mm²)

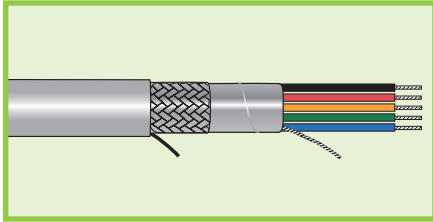
Stranding: 26/30 (26 x 0.25 mm)
 Insulation thickness: 0.011 (0.28 mm)
 Jacket thickness: 0.035 (0.89 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79218	2	0.268	6.81
79219	3	0.281	7.14
79220	4	0.302	7.67
79221	5	0.326	8.28
79222	7	0.351	8.92
79223	9	0.432	10.97
79224	12	0.443	11.25



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UL AWM 21819 (600 V, 105°C)
UL AWM 21492 (300 V, 80°C)
UL VW-1
CSA I/II A/B FT1

Temperature Range

-40°C to + 80°C

Conductor Color Coding

- Chart D

Materials

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Bend Radius

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- Shielded: 6x static, 8x flexing

Properties

- Zero halogen
- Specific gravity: 1.03
- 100% recyclable
- Low outgassing
- Suitable for use in NFPA 79 applications
- IEC 60332-2 Flame Behavior

Availability

100 ft (30.5 m)
 1000 ft (305 m)
 Bulk, cut to length

FIT® Tubing Recommendations

- FIT-221L: Low smoke zero halogen
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14 AWG (2.08 mm²)

Stranding: 41/30 (41 x 0.25 mm)
 Insulation thickness: 0.011 (0.28 mm)
 Jacket thickness: 0.035 (0.81 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79225	2	0.300	7.62
79226	3	0.315	8.00
79227	4	0.341	8.66
79228	5	0.369	9.37
79229	7	0.398	10.11
79230	9	0.493	12.52
79231	12	0.507	12.88

12 AWG (3.29 mm²)

Stranding: 65/30 (65 x 0.25 mm)
 Insulation thickness: 0.012 (0.30 mm)
 Jacket thickness: 0.035 (0.81 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79232	3	0.360	9.14
79233	4	0.391	9.93
79234	5	0.426	10.82
79235	7	0.462	11.73

10 AWG (5.32 mm²)

Stranding: 105/30 (105 x 0.25 mm)
 Insulation thickness: 0.012 (0.30 mm)
 Jacket thickness: 0.035 (0.81 mm)

Part Number	Conductors	Nominal Diameter	
		Inch	mm
79236	3	0.419	10.64
79237	4	0.457	11.61



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