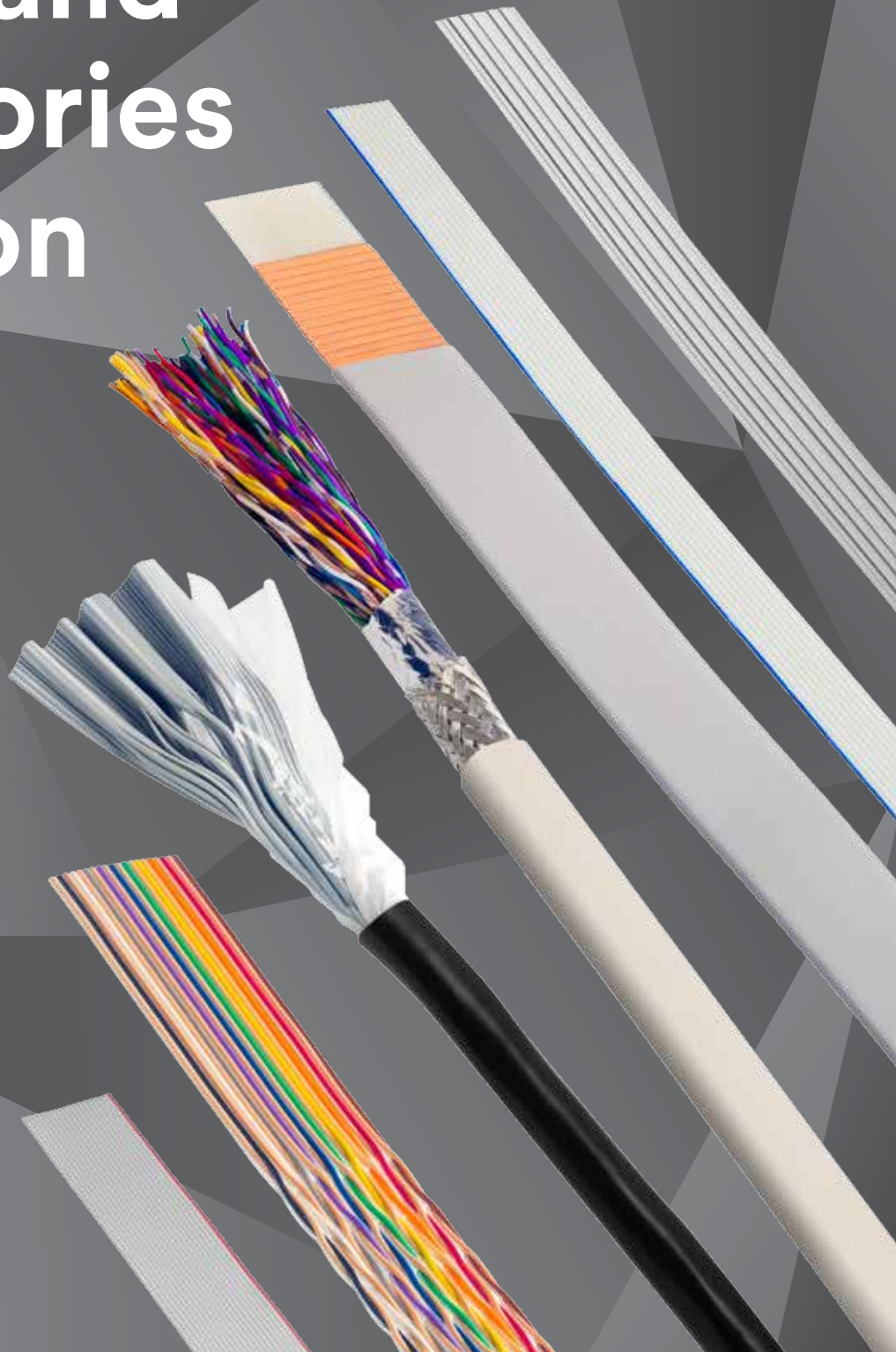**3M** Science.
Applied to Life.™

Cables and Accessories Selection Guide

From data centers to robotics to patient monitoring equipment, we're committed to enabling the next generation of faster, smaller and smarter design. 3M offers an extensive portfolio of cables and accessories built for speed and reliability, so you get the performance you need with as little downtime possible. Visit 3Mconnectors.com for tech sheets and more information.
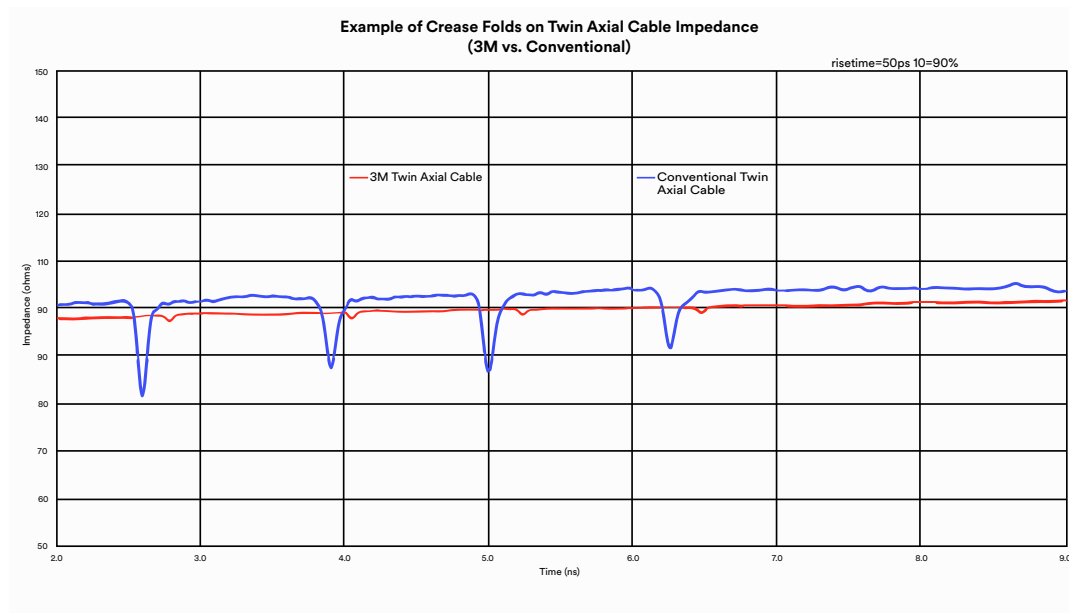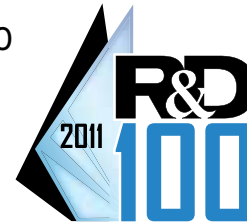
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3M™ Cable Products

3M™ Twin Axial Cable, SL8800 Series

After designing cables for over 50 years, we understand what it takes to design, build, deliver and install high-performance devices on time and on budget.

The 3M Twin Axial Cable, SL8800 Series is designed to bring together high-speed performance and high signal density in an extremely thin and flexible package that can be folded with minimal loss or impact on performance. With its ultra-low, space-saving profile, the SL8800 Series helps allow for optimal cooling and airflow to maintain the high speeds and processing power your system demands.

Example of Crease Folds on Twin Axial Cable Impedance (3M vs. Conventional)

risetime=50ps 10=90%

— 3M Twin Axial Cable   — Conventional Twin Axial Cable

Impedance (ohms) vs. Time (ns)

Comparative Example of Crease Folds on 3M™ Twin Axial Cable Differential Impedance (3M vs. Conventional Spiral Wrapped)

3M™ Twin Axial Cable, SL8800 Series (cont.)

Cable Type/Description	Twin Axial Cable	Twin Axial Cable	Twin Axial Cable
Profile			
3M Cable Series	8801	8801	8801
Conductor Size (AWG)	30	30	30
Conductor Material	Copper	Copper	Copper
Primary Insulation	Polyolefin	Polyolefin	Polyolefin
Primary Color	Gray	Gray	Gray
3M Drawing Number	78-5100-2412-4	78-5100-2463-7	78-5100-2462 -9
Application Examples (cable is not limited to these)	SAS/SATA internal, other 4/8-pair applications requiring sidebands	SAS implemented on 68-position internal assemblies; can be doubled up or matched with other configurations	PCIe implemented on 36-position assemblies

Cable Type/Description	Twin Axial Cable	Twin Axial Cable	Twin Axial Cable
Profile			
3M Cable Series	8802	8802	8803
Conductor Size (AWG)	30	30	30
Conductor Material	Copper	Copper	Copper
Primary Insulation	Polyolefin	Polyolefin	Polyolefin
Primary Color	Gray	Gray	Gray
3M Drawing Number	78-5100-2413-2	78-5100-2400-9	78-5100-2414-0
Application Examples (cable is not limited to these)	SAS/SATA internal assemblies not requiring sidebands; other 4/8-pair internal assemblies	HD SAS SFF 8643	SAS and/or SATA fanout assemblies; cable can be split into individual pairs

3M™ Low Smoke Zero Halogen (LSZH) Cables

You asked for them, and we delivered.

LSZH Cables help minimize the risks associated with smoke and corrosive gasses. And since these cables come from 3M, the increase in safety comes without a dip in performance. The HF Series meets established industry low smoke (IEC 61034-2:2005) and low toxicity (NF X 70-100-2:2006) criteria with comparable flexibility and durability to 3M's PVC Cables. 3M's LSZH Cables are halogen-free as defined by IEC 61249-2-21. As you'd expect, this makes the HF Series ideal for electronics, especially in data center, transportation and military applications.
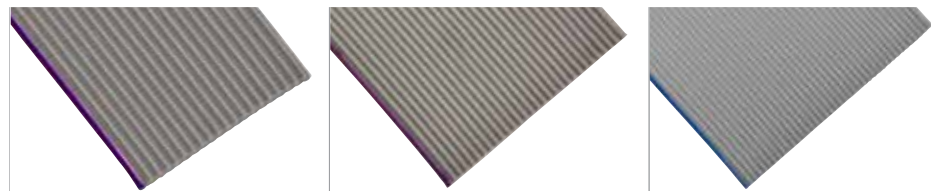
Cable Type/Description	Round Conductor Flat Cable	Round Conductor Flat Cable	Round Conductor Flat Cable, High Flex Life
Pitch/Centerline in. (mm)	.025 (0.635)	.039 (1.0)	.050 (1.27)
3M Cable Series	HF447	HF625	HF319
Conductor Size (AWG)	30	28	28
Conductor Material	Tinned Copper	Tinned Copper	Silver Plated Copper Alloy
Conductor Stranding	Solid	7 × 0.127 (7 × 36)	19 × 0.079 (19 × 40)
Primary Insulation	Polyolefin Blend	Polyolefin Blend	Polyolefin Blend
Primary Color	Dark Gray	Dark Gray	Dark Gray
3M Drawing Number	TS-2343	TS-2338	TS-2342

3M™ Low Smoke Zero Halogen (LSZH) Cable (cont.)
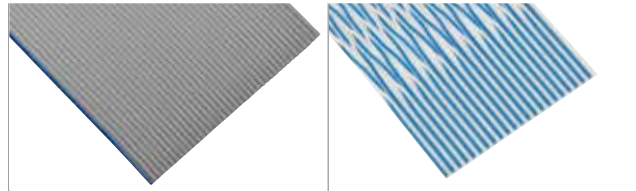
Cable Type/Description	Round Conductor Flat Cable	Twisted Pair Flat Cable
Pitch/Centerline in. (mm)	**.050 (1.27)**	**.050 (1.27)**
3M Cable Series	**HF365**	**HF100**
Conductor Size (AWG)	28	28
Conductor Material	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)
Primary Insulation	Polyolefin Blend	Polyolefin Blend
Primary Color	Dark Gray	Blue/Off-White Pairs
3M Drawing Number	TS-2334	TS-2344

Cable Type/Description	Shielded, Jacketed Flat Cable	Round Jacketed Flat Cable	Round, Shielded, Jacketed, Flat Cable
Pitch/Centerline in. (mm)	**.050 (1.27)**	**.050 (1.27)**	**.050 (1.27)**
3M Cable Series	**HF017**	**HF759**	**HF659**
Conductor Size (AWG)	28	28	28
Conductor Material	Tinned Copper	Not Applicable	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)
Primary Insulation	Polyolefin Blend	Polyolefin Blend	Polyolefin Blend
Primary Color	Dark Gray	Dark Gray	Dark Gray
Jacket Insulation	Polyolefin	Polyolefin	Polyolefin
Jacket Color	Dark Gray	Dark Gray	Dark Gray
3M Drawing Number	TS-2345	TS-2336	TS-2335

3M™ Flat Ribbon Cable .025" - .033" Pitch
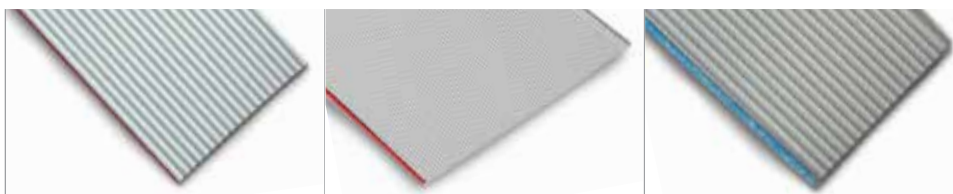
Cable Type/Description	Round Conductor Flat Cable	Round Conductor Flat Cable	Round Conductor Flat Cable
Pitch/Centerline in. (mm)	.025 (0.635)	.025 (0.635)	.025 (0.635)
3M Cable Series	3754	3447	3756
Conductor Size (AWG)	30	30	30
Conductor Material	Tinned Copper	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.102 (7 × 38)	Solid	7 × 0.102 (7 × 38)
Primary Insulation	PVC	PVC	TPE
Primary Color	Gray	Gray	Gray
3M Drawing Number	TS-0875	TS-0830	TS-0508
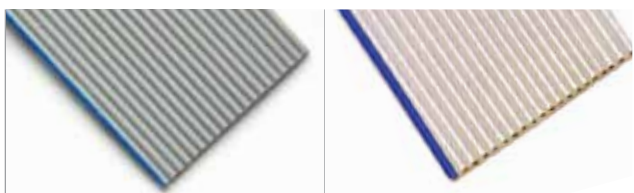
Cable Type/Description	Round Conductor Flat Cable	Round Conductor Flat Cable
Pitch/Centerline in. (mm)	.025 (0.635)	.025 (0.635)
3M Cable Series	3749	3609
Conductor Size (AWG)	30	30
Conductor Material	Tinned Copper	Silver Plated Copper
Conductor Stranding	Solid	7 × 0.102 (7 × 38)
Primary Insulation	TPE	FEP
Primary Color	Gray	Opaque White
3M Drawing Number	TS-0068	TS-0654

3M™ Flat Ribbon Cable .025" - .033" Pitch (cont.)
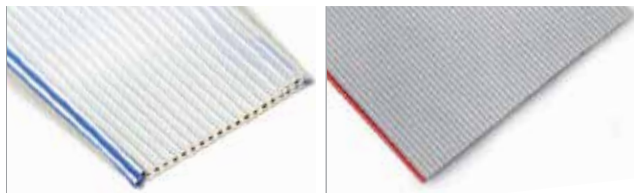
Cable Type/Description	Round Conductor Flat Cable	Round Conductor Flat Cable
Pitch/Centerline in. (mm)	.025 (0.635)	.033 (0.838)
3M Cable Series	3604	3849
Conductor Size (AWG)	30	30
Conductor Material	Silver Plated Copper	Tinned Copper
Conductor Stranding	Solid	7 × 0.102 (7 × 38)
Primary Insulation	FEP	PVC
Primary Color	Opaque White	Gray
3M Drawing Number	TS-0653	TS-0573

3M™ Flat Ribbon Cable 1 mm Pitch
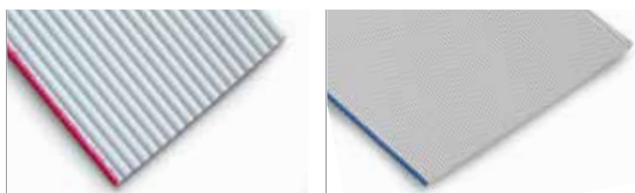
Cable Type/Description	Round Conductor Flat Cable	Round Conductor Flat Cable
Pitch/Centerline in. (mm)	.039 (1.0)	.039 (1.0)
3M Cable Series	3625	3852
Conductor Size (AWG)	28	28
Conductor Material	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	41/44
Primary Insulation	PVC	PVC
Primary Color	Gray	Gray
3M Drawing Number	TS-0452	TS-2540

3M™ Flat Ribbon Cable .050" Pitch

Cable Type/Description	Round Conductor Flat Cable	Round Conductor Flat Cable	Round Conductor Flat Cable
Pitch/Centerline in. (mm)	**.050 (1.27)**	**.050 (1.27)**	**.033 (0.838)**
3M Cable Series	**3365**	**3365NS**	**3365A**
Conductor Size (AWG)	28	28	28
Conductor Material	Tinned Copper	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)
Primary Insulation	PVC	PVC	PVC
Primary Color	Gray	Gray (No Stripe)	Black
3M Drawing Number	TS-0080	TS-0080	TS-0080
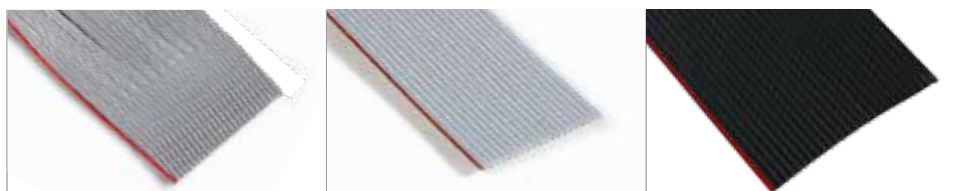
Cable Type/Description	Round Conductor Flat Cable	Round Conductor Flat Cable, Medium Flex Life	Round Conductor Flat Cable, Medium Flex Life
Pitch/Centerline in. (mm)	**.050 (1.27)**	**.050 (1.27)**	**.050 (1.27)**
3M Cable Series	**3667**	**3539**	**3539A**
Conductor Size (AWG)	28	28	28
Conductor Material	Tinned Copper	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	19 × 0.079 (19 × 40)	19 × 0.079 (19 × 40)
Primary Insulation	PVC	PVC	PVC
Primary Color	Gray	Gray	Black
3M Drawing Number	TS-0247	TS-0058	TS-0058

3M™ Flat Ribbon Cable .050" Pitch (cont.)
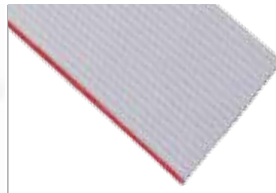
Cable Type/Description	Round Conductor Flat Cable, High Flex Life	Round Conductor Flat Cable	Round Conductor Flat Cable
Pitch/Centerline in. (mm)	.050 (1.27)	.050 (1.27)	.050 (1.27)
3M Cable Series	3319	3801	3801A
Conductor Size (AWG)	28	26	26
Conductor Material	Silver Plated Copper Alloy	Tinned Copper	Tinned Copper
Conductor Stranding	19 × 0.079 (19 × 40)	7 × 0.160 (7 × 34)	7 × 0.160 (7 × 34)
Primary Insulation	PVC	PVC	PVC
Primary Color	Black	Gray	Black
3M Drawing Number	TS-0059	TS-0063	TS-0063
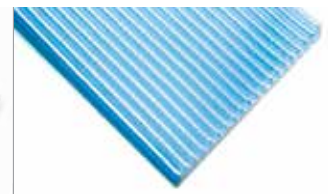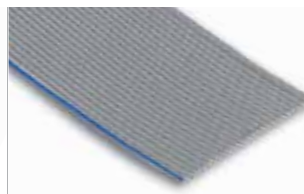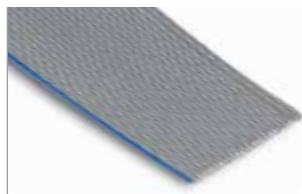
Cable Type/Description	Round Conductor Flat Cable	Round Conductor Flat Cable	Round Conductor Flat Cable
Pitch/Centerline in. (mm)	.050 (1.27)	.050 (1.27)	.050 (1.27)
3M Cable Series	3355	3770	3601
Conductor Size (AWG)	28	26	28
Conductor Material	Tinned Copper	Tinned Copper	Silver Plated Copper
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.160 (7 × 34)	7 × 0.127 (7 × 36)
Primary Insulation	TPE	TPE	FEP
Primary Color	Gray	Gray	Blue
3M Drawing Number	TS-0317	TS-0342	TS-0553

3M™ Flat Ribbon Cable .100" - .156" Pitch
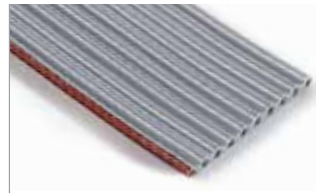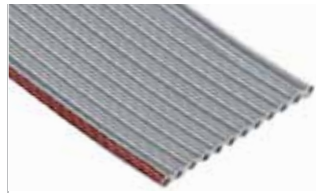
Cable Type/Description	Round Conductor Flat Cable	Round Conductor Flat Cable	Round Conductor Flat Cable for 3M™ Link Connectors
Pitch/Centerline in. (mm)	.100 (2.54)	.100 (2.54)	.100 (2.54)
3M Cable Series	8125	8124	79100-075-4F1
Conductor Size (AWG)	24	22	19
Conductor Material	Tinned Copper	Tinned Copper	Tinned Stranded Copper
Conductor Stranding	7 × 0.203 (7 × 32)	7 × 0.254 (7 × 30)	0.75 mm² (19 AWG), 30 strands x 0.18 mm (33 AWG)
Primary Insulation	PVC	PVC	PVC
Primary Color	Dark Gray	Dark Gray	Black, Red, White, Green
3M Drawing Number	TS-0259	TS-0084	TS-2323
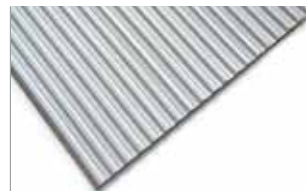
Cable Type/Description	Round Conductor Flat Cable for CC-Link/LT	Round Conductor Flat Cable
Pitch/Centerline in. (mm)	.100 (2.54)	.156 (3.96)
3M Cable Series	79100-075-4FLT	8132
Conductor Size (AWG)	18	18
Conductor Material	Tinned Stranded Copper	Tinned Copper
Conductor Stranding	0.75 mm² (18 AWG), 35 strands x 0.18 mm (33 AWG)	19 × 30 (19 × 0.254)
Primary Insulation	PVC	PVC
Primary Color	Light Blue with Orange stripe	Dark Gray
3M Drawing Number	TS-2322	TS-0057

3M™ Color Coded Flat Cable

Cable Type/Description	Color Coded Flat Cable	Color Coded Flat Cable
Pitch/Centerline in. (mm)	.050 (1.27)	.050 (1.27)
3M Cable Series	3302	3811
Conductor Size (AWG)	28	26
Conductor Material	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.160 (7 × 34)
Primary Insulation	PVC	PVC
Primary Color	10 Color Repeat	10 Color Repeat
3M Drawing Number	TS-0123	TS-0122

3M™ Twisted Pair Flat Cable

Cable Type/Description	Twisted Pair Flat Cable	Twisted Pair Flat Cable
Pitch/Centerline in. (mm)	.050 (1.27)	.050 (1.27)
3M Cable Series	1700	3782
Conductor Size (AWG)	28	28
Conductor Material	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)
Primary Insulation	PVC	PVC
Primary Color	10 Color Repeat	10 Color Repeat + White
3M Drawing Number	TS-0115	TS-0999

3M™ Ground Plane Cable

Cable Type/Description	Ground Plane Flat Cable	Ground Plane Flat Cable	Ground Plane Flat Cable
Pitch/Centerline in. (mm)	.050 (1.27)	.050 (1.27)	.050 (1.27)
3M Cable Series	3469	3476	3353
Conductor Size (AWG)	28	28	28
Conductor Material	Tinned Copper	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)
Primary Insulation	PVC	PVC	PVC
Primary Color	Gray	Gray	Gray
Jacket Insulation	Not Applicable	Not Applicable	Not Applicable
Jacket Color	Not Applicable	Not Applicable	Not Applicable
3M Drawing Number	TS-0077	TS-0071	TS-0078

3M™ Jacketed Flat Ribbon Cable

Cable Type/Description	Jacketed Flat Cable	Jacketed Flat Cable	Shielded, Jacketed Flat Cable
Pitch/Centerline in. (mm)	.050 (1.27)	.050 (1.27)	.050 (1.27)
3M Cable Series	3603	3602	3517
Conductor Size (AWG)	28	26	28
Conductor Material	Tinned Copper	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.160 (7 × 34)	7 × 0.127 (7 × 36)
Primary Insulation	PVC	PVC	PVC
Primary Color	Gray	Gray	Gray
Jacket Insulation	PVC	PVC	PVC
Jacket Color	Black	Black	Black
3M Drawing Number	TS-0060	TS-1064	TS-0069

3M™ Jacketed Flat Ribbon Cable (cont.)

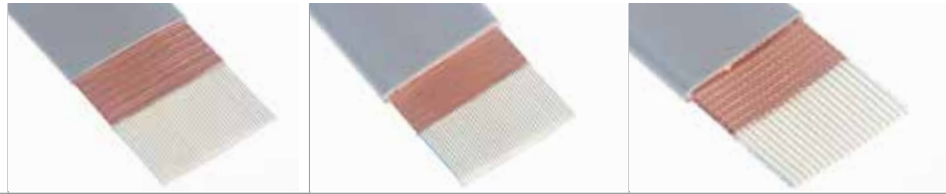| Cable Type/Description	Shielded, Jacketed Flat Cable	Shielded, Jacketed Flat Cable	Shielded, Jacketed, Twisted Pair Flat Cable
Pitch/Centerline in. (mm)	.039 (1.0)	.039 (1.0)	.050 (1.27)
3M Cable Series	3844	3855	1785
Conductor Size (AWG)	28	28	28
Conductor Material	Tinned Copper	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)
Primary Insulation	PVC	PVC	PVC
Primary Color	Gray	Gray	10 Color Repeat + Tan (Ground)
Jacket Insulation	PVC	PVC	PVC
Jacket Color	Black	Black	Black
3M Drawing Number	TS-2311	TS-2333	TS-0308

3M™ Pleated Foil Flat Cable

| Cable Type/Description	Pleated Foil Shielded Flat Cable	Pleated Foil Shielded Flat Cable	Pleated Foil Shielded Flat Cable
Pitch/Centerline in. (mm)	.025 (0.635)	.025 (0.635)	.025 (0.635)
3M Cable Series	90111	90101	90202
Conductor Size (AWG)	30	30	30
Conductor Material	Tinned Copper	Tinned Copper	Tinned Copper
Conductor Stranding	Solid	Solid	7 × 0.102 (7 × 38)
Primary Insulation	TPE	TPE	TPE
Primary Color	Translucent	Translucent	Gray
Jacket Insulation	PVC	PVC	TPE
Jacket Color	Gray	Gray	Gray
3M Drawing Number	TS-0451	TS-0285	TS-0730

3M™ Pleated Foil Flat Cable (cont.)

Cable Type/Description	Pleated Foil Shielded Flat Cable	Pleated Foil Shielded Flat Cable	Pleated Foil Shielded Flat Cable
Pitch/Centerline in. (mm)	.025 (0.635)	.025 (0.635)	.050 (1.27)
3M Cable Series	90201	90211	90104
Conductor Size (AWG)	30	30	28
Conductor Material	Tinned Copper	Tinned Copper	Tinned Copper
Conductor Stranding	Solid	Solid	7 × 0.127 (7 × 36)
Primary Insulation	TPE	TPE	TPE
Primary Color	Translucent	Translucent	Translucent
Jacket Insulation	TPE	TPE	PVC
Jacket Color	Gray	Gray	Gray
3M Drawing Number	TS-0402	TS-0598	TS-0288

Cable Type/Description	Pleated Foil Shielded Flat Cable	Pleated Foil Shielded Flat Cable
Pitch/Centerline in. (mm)	.050 (1.27)	.025 (0.635)
3M Cable Series	90204	93101
Conductor Size (AWG)	28	30
Conductor Material	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	Solid
Primary Insulation	TPE	TPE
Primary Color	Translucent	Translucent
Jacket Insulation	TPE	PVC
Jacket Color	Gray	Gray
3M Drawing Number	TS-0403	TS-0876

3M™ Round Jacketed Flat Cable
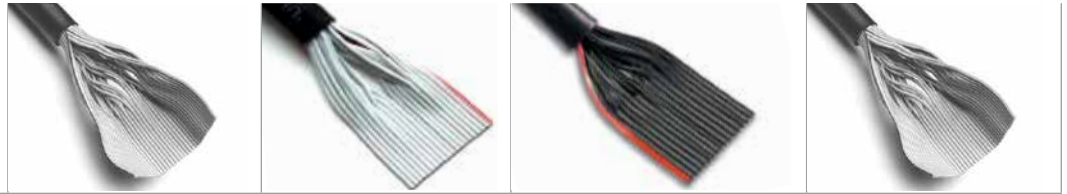
Cable Type/Description	Round Jacketed Flat Cable	Round Jacketed Flat Cable	Round Jacketed Flat Cable, High Flex Life	Round Jacketed Flat Cable
Pitch/Centerline in. (mm)	.025 (0.635)	.050 (1.27)	.050 (1.27)	.050 (1.27)
3M Cable Series	3896	3759	3834	3758
Conductor Size (AWG)	30	28	28	26
Conductor Material	Tinned Copper	Tinned Copper	Silver Plated Stranded Copper	Tinned Copper
Conductor Stranding	7 × 0.102 (7 × 38)	7 × 0.127 (7 × 36)	19 × 0.079 (19 × 40)	7 × 0.160 (7 × 34)
Primary Insulation	PVC	PVC	PVC	PVC
Primary Color	Gray	Gray	Black	Gray
Jacket Insulation	PVC	PVC	PVC	PVC
Jacket Color	Black	Black	Black	Black
3M Drawing Number	TS-2173	TS-0070	TS-1006	TS-2200

Cable Type/Description	Round Jacketed Twisted Pair Flat Cable	Round, Shielded, Jacketed, Flat Cable	Round, Jacketed, Shielded Twisted Pair Flat Cable
Pitch/Centerline in. (mm)	.050 (1.27)	.050 (1.27)	.050 (1.27)
3M Cable Series	3783	3659	3784
Conductor Size (AWG)	28	28	28
Conductor Material	Tinned Copper	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.102 (7 × 38)	7 × 0.127 (7 × 36)
Primary Insulation	PVC	PVC	PVC
Primary Color	10 Color Repeat + White	Gray	10 Color Repeat + White
Jacket Insulation	PVC	PVC	PVC
Jacket Color	Gray	Black	Gray
3M Drawing Number	TS-2249	TS-0083	TS-2250

3M™ Round Jacketed Discrete Cable for Factory Automation

Cable Type/Description	Round Conductor Round Cable for CC-Link/LT	Round Conductor Round Cable for CC-Link	Round Conductor Round Cable for CC-Link
Pitch/Centerline in. (mm)	Not Applicable	Not Applicable	Not Applicable
3M Cable Series	79100-075-4ZLT	79100-110SBZ-5	79100-110SBH
Conductor Size (AWG)	18	20	20
Conductor Material	Tinned Copper	Stranded Copper	Stranded Copper
Conductor Stranding	0.75 mm² (18 AWG), 7 strands x 0.08 mm (22 AWG)	0.50 mm² (20 AWG), 3/33 strands x 0.08 mm (22 AWG)	0.50 mm² (20 AWG), 3/33 strands x 0.08 mm (22 AWG)
Primary Insulation	ETFE (Flurocarbon polymer)	PE (Polyethylene)	PE (Polyethylene)
Primary Color	Black, Red, White, Green	Yellow, White, Blue	Yellow, White, Blue
Jacket Insulation	Oil Resistant PVC	Oil Resistant PVC	Oil Resistant PVC
Jacket Color	Black	Dark Brown	Brown
3M Drawing Number	TS-2325	TS-2324	TS-2321

3M™ Twisted Pair Round Jacketed Cable

Cable Type/Description	Round, Shielded, Jacketed, Discrete Wire Cable	Round, Shielded, Jacketed, Discrete Wire Cable	Round, Shielded, Jacketed, Discrete Wire Cable
Pitch/Centerline in. (mm)	Not Applicable	Not Applicable	Not Applicable
3M Cable Series	3644A	3644B	3647B
Conductor Size (AWG)	28	28	28
Conductor Material	Tinned Copper	Tinned Copper	Not Applicable
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)
Primary Insulation	Polyolefin	Polyolefin	Polyolefin
Primary Color	Color Coded	Color Coded	Color Coded
Jacket Insulation	PVC	PVC	PVC
Jacket Color	Black	Beige	Beige
3M Drawing Number	TS-0826	TS-0826	TS-0582

3M™ Twisted Pair Round Jacketed Cable (Cont.)

Cable Type/Description	Round, Shielded, Jacketed, Discrete Flat Cable	Round, Shielded, Jacketed, Discrete Flat Cable	Round, Shielded, Jacketed, Discrete Flat Cable
Pitch/Centerline in. (mm)	Not Applicable	Not Applicable	Not Applicable
3M Cable Series	KU-C-KMPVV	3600A	3600B
Conductor Size (AWG)	28	28	28
Conductor Material	Tinned Copper	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)	7 × 0.127 (7 × 36)
Primary Insulation	PVC	PVC	PVC
Primary Color	Color Coded	Color Coded	Color Coded
Jacket Insulation	PVC	PVC	PVC
Jacket Color	Cream	Black	Beige
3M Drawing Number	TS-2173	TS-0388	TS-0388

Cable Type/Description	Round, Shielded, Jacketed, Discrete Flat Cable	Round, Shielded, Jacketed, Discrete Wire Cable	Round, Shielded, Jacketed, Discrete Wire Cable
Pitch/Centerline in. (mm)	Not Applicable	Not Applicable	Not Applicable
3M Cable Series	3600G	3560	3750
Conductor Size (AWG)	28	26	26
Conductor Material	Tinned Copper	Tinned Copper	Tinned Copper
Conductor Stranding	7 × 0.127 (7 × 36)	Solid	7 × 0.160 (7 × 34)
Primary Insulation	PVC	PVC	PVC
Primary Color	Color Coded	Color Coded	Color Coded
Jacket Insulation	PVC	PVC	PVC
Jacket Color	Gray	Gray	Gray
3M Drawing Number	TS-0388	TS-0672	TS-0072

3M™ Cable Accessories

Accessory Type	PVC Shielded Jacket	High Flex Life Braided Shield
3M Cable Accessory Series	**3617**	**DS/FS**
Description	Fits cable width sizes 1.5, 2.4 and 3.5 inch; .035 thick PVC jacket with expanded copper shield	0.2 - 0 .6 inch diameter, 1.2 and 1.5 inch widths; conductive high flex cable shielding sleeve
Conductor Material	Not Applicable	Tinned copper foil wound spirally over glass fibers
Primary Insulation	PVC	Not Applicable
Primary Color	Black	Bright Tin
3M Drawing Number	TS-0308	TS-0713

Accessory Type	Drain Wire Spring Clip	Cable Clamp	Strain Relief Grounding Clamp
3M Cable Accessory Series	**3535**	**3484**	**3504**
Description	One size fits 9-64 conductor round cable; used to attach a ground wire to the shield of a round cable	Organizes cable by clamping and retaining; used to organize up to six layers of flat cable	Jacketed cable strain relief/ grounding clamp; mounting brackets used to transfer stresses and strains to the cabinet and provide grounding
Material	Stainless Steel	PVC	Aluminum
Primary Color	Silver	Gray	Aluminum
3M Drawing Number	TS-0269	TS-0260	TS-0268

Notes

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AWG Conversion Table

	Individual Strands		Overall Conductor Construction	
AWG	Number	Outside Diameter	Outside Diameter	Cross Section
		mm / inch	mm / inch	mm² / Circ. Mils
22	1	0.643 / 0.0253	0.64 / 0.0253	0.326 / 640
22	7	0.254 / 0.0100	0.78 / 0.0300	0.355 / 700
22	19	0.160 / 0.0063	0.81 / 0.0320	0.382 / 750
24	1	0.510 / 0.0201	0.51 / 0.0201	0.205 / 404
24	7	0.203 / 0.0080	0.61 / 0.0240	0.227 / 448
24	19	0.127 / 0.0050	0.64 / 0.0250	0.241 / 475
26	1	0.404 / 0.0159	0.40 / 0.0159	0.128 / 253
26	7	0.160 / 0.0063	0.48 / 0.0190	0.141 / 275
26	19	0.102 / 0.0040	0.51 / 0.0200	0.149 / 304
28	1	0.320 / 0.0126	0.32 / 0.0126	0.080 / 124
28	7	0.127 / 0.0050	0.38 / 0.0150	0.089 / 175
28	19	0.080 / 0.0031	0.40 / 0.0160	0.092 / 201
30	1	0.250 / 0.0100	0.25 / 0.0100	0.050 / 100
30	7	0.102 / 0.0040	0.30 / 0.0120	0.057 / 112

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