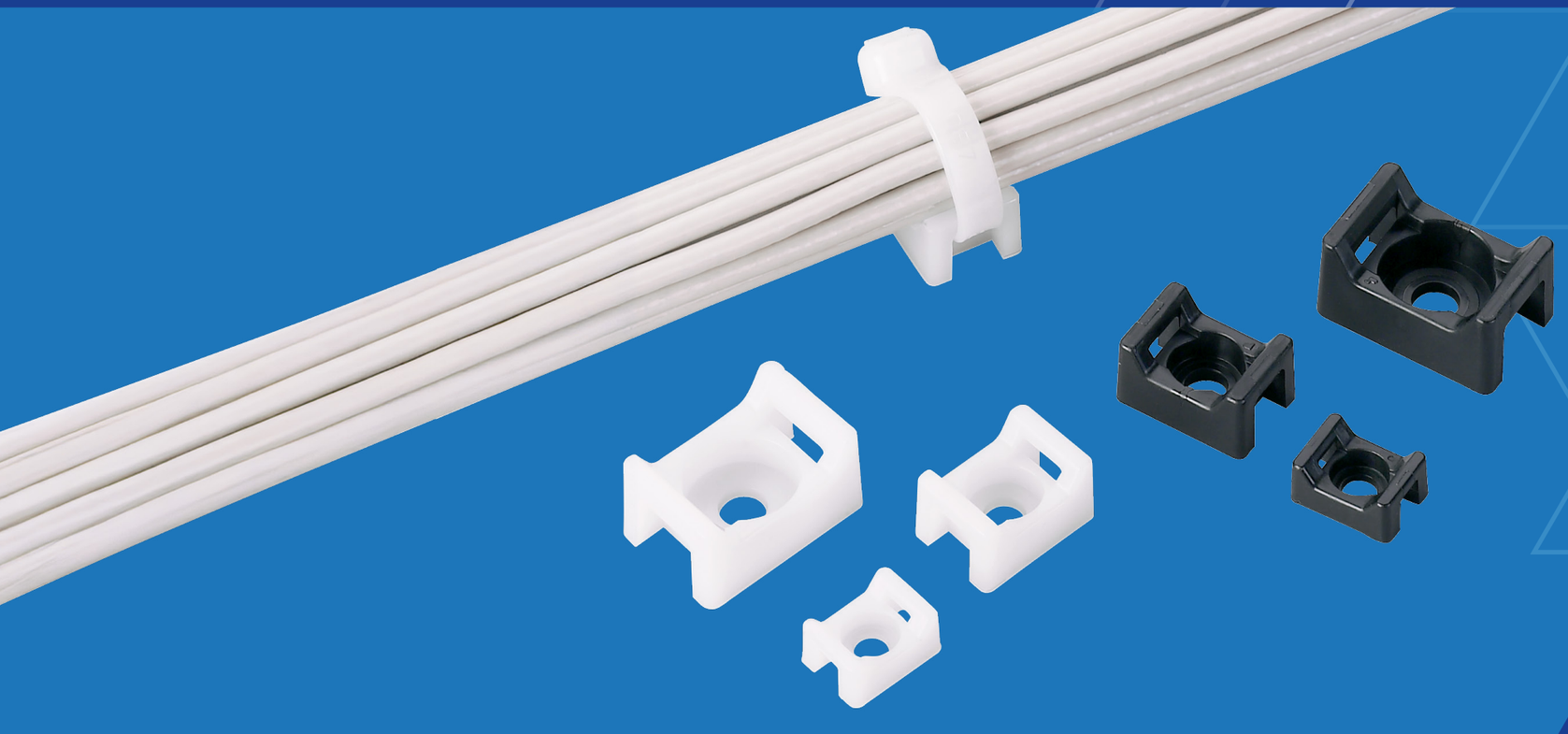
Cable Accessories

Material Selections

A comprehensive reference for selecting cable accessories based on material properties and application requirements



PANDUIT®

Selection Guide

Cable Accessories

	Material	Test Method	Nylon 6.6	Weather Resistant Nylon 6.6	Impact Modified Weather Resistant Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Weather Resistant Nylon 6.6	Impact Modified Heat Stabilized Weather Resistant Nylon 6.6	Impact Modified Heat Stabilized Weather Resistant PIR*** Recycled Nylon 6.6	Flame Retardant Nylon 6.6	Flame Retardant Nylon 6.6	Polypropylene	Weather Resistant Polypropylene	General Purpose ABS	Weather Resistant ABS	TEFZEL*	PEEK	Antimicrobial Metal Detectable Nylon	Metal Detectable Polypropylene	PVC	Weather Resistant Acetal
	Color	–	Natural, White, Black, Gray	Black			Natural	Black				Natural	Gray, White, Green	Black	Natural, White, Black, Gray	Black	Aqua Blue	Translucent Brown	Blue	Dark Blue	Light Gray, White	Black
	Part Number Suffix (Material) Designation	–	None, 20, 14	0	0	30	39	300	350	**360**	60	69	14, None, 109	100	None, 20, 14	0	76	71	96A	186	8, 10	130
Mechanical Properties	**Tensile at Yield 73°F (psi)**	ISO 527	12,000		7,500	12,000			8,700	8,412	11,000		4,100		6,500		7,500	15,200	–	–	–	6,500
	Water Absorption (24 Hours)	ASTM D570	1.2%								1.1%		0.1%		0.3%		<0.03%	0.5%	1.2%	0.1%	0.3%	<0.45%
	Radiation Resistance Rads	–	1×10^5										1×10^6		–	–	2×10^8	1×10^9	–	1×10^6	–	6×10^5
	Weathering Life Expectancy (Years)/UV Resistance**	–	1-2	7-9		4-5	1-2	7-9		10	1-2			7-9	1	7-9	>15	–	–	1	–	>20
	Impact Resistance	–	○	○	◒	○	○	○	◒	◒	◒	◒	◒	◒	◒	◒	●	●	○	◒	○	◒
Chemical Resistance	**Salts**	–	◒	◒	◒	◒	◒	◒	◒	◒	◒	◒	●	●	●	●	●	●	◒	●	◒	○
	Hydrocarbons (Gas, Oil, Lubricants)	–	●	●	●	●	●	●	●	●	●	●	○	○	●	●	●	●	●	○	●	●
	Chlorinated Hydrocarbons	–	◒	◒	◒	◒	◒	◒	◒	◒	◒	◒	○	○	●	●	●	●	◒	○	◒	◒
	Acids	–	●	●	●	●	●	●	●	●	●	●	●	●	○	○	●	○	●	●	●	●
	Bases	–	◒	◒	◒	◒	◒	◒	◒	◒	◒	◒	●	●	●	●	●	●	◒	●	◒	●
	Acid Rain	–	◒	◒	◒	◒	◒	◒	◒	◒	◒	◒	●	●	●	●	●	◒	◒	●	◒	◒
Thermal Properties	**Continuous Use Temperature Range**	UL 746B	-76 °F - 185 °F (-60 °C - 85 °C)			-76 °F - 239 °F (-60 °C - 115 °C)					-76 °F - 212 °F (-60 °C - 100 °C)		-76 °F - 239 °F (-60 °C - 115 °C)		-76 °F -158 °F (-60 °C - 70 °C)		-76 °F - 338 °F (-60 °C - 170 °C)	-76 °F - 464 °F (-60 °C - 240 °C)	-76 °F - 185 °F (-60 °C - 85 °C)	-76 °F - 239 °F (-60 °C - 115 °C)	-40 °F - 122 °F (-40 °C - 50 °C)	-76 °F - 185 °F (-60 °C - 85 °C)
	Flammability Rating	UL 94	V-2		HB	V-2			HB		V-0		HB				V-0	V-2	HB		V-0	HB
	Low Smoke	ASTM E662	PASS								–	–	–	–	–	–	–	PASS	–	–	–	–
	Oxygen Index	BS ISO 4589	28		–	28			22	–	34		–	–	18-20		30	35	–	–	–	–
	Halogen Free	IEC 60754-2	Yes																			
	Burning Fume Toxicity	BSS-7239	PASS										–	–	–	–	–	–	–	–	–	–
	Heat Deflection Temperature at 1.9 Mpa	ASTM D648 ISO 75-1/-2	158 °F (70 °C)		145 °F (63 °C)	158 °F (70 °C)			145 °F (63 °C)	151 °F (66 °C)	149 °F (65 °C)		122 °F (50 °C)		210 °F (99 °C)		–	313 °F (156 °C)	–	–	–	147 °F (64 °C)
RELATIVE PRICE		–	Low			Med									Low		High		Low	Med	Low	Med

Recommendation Legend				
Highest	**High**	**Acceptable**	**Low**	**Lowest**
●	◒	○	◒	●

Properties shown are based on data obtained from third party resources and are subject to normal manufacturing tolerances.

*TEFZEL is a registered trademark of The Chemours Company
**Weather Life Expectancy is an estimated life expectancy and not a guarantee of life expectancy

Material Selection Guide

	Materials	Test Method	Nylon 6.6	Weather Resistant Nylon 6.6	Impact Modified Weather Resistant Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Weather Resistant Nylon 6.6	Impact Modified Heat Stabilized Weather Resistant Nylon 6.6	Impact Modified Heat Stabilized Weather Resistant PIR*** Recycled Nylon 6.6	Flame Retardant Nylon 6.6	Flame Retardant Nylon 6.6	Polypropylene	Weather Resistant Polypropylene	General Purpose ABS	Weather Resistant ABS	TEFZEL	PEEK	Antimicrobial Metal Detectable Nylon	Metal Detectable Polypropylene	PVC	Weather Resistant Acetal
	Color	–	Natural, White, Black, Gray	Black	Black	Black	Natural	Black	Black	Black	Black	Natural	Gray, White, Green	Black	Natural, White, Black, Gray	Black	Aqua Blue	Translucent Brown	Blue	Dark Blue	Light Gray, White	Black
	Part Number Suffix (Material) Designation	–	None, 20, 14	0	0	30	39	300	350	360	60	69	14, None, 109	100	None, 20, 14	0	76	71	96A	186	8, 10	130
4-Way and Multiple Bridge Mounts	**ABMQS**	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–
	ABM1M	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	ABMM	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	✓	–	–	–	–	–	–
	ABM2S	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	✓	–	–	–	–	–	–
	ABM100	–	✓	✓	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–	–	–
	ABM112	–	✓	✓	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–	–	–
	ABM3H	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	ABM4H	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	SGABM20	–	✓	✓	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	SGABM25	–	✓	✓	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	SGABM30	–	✓	✓	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	SGABM40	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	SGABM50	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Aerial Support Ties	**AST**	–	–	–	–	–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–
Bevel Entry Clips	**BEC**	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	BECP	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cord Clips, Cable Clips and Holders	**ACC**	–	✓	✓	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	LPFCM	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	FCC	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	–
	AJC	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	–
	A1C	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	–
	A2C	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	–
	AMC25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	–
	VCC	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	PMCC	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Material Selection Guide (continued)

	Materials	Test Method	Nylon 6.6	Weather Resistant Nylon 6.6	Impact Modified Weather Resistant Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Weather Resistant Nylon 6.6	Impact Modified Heat Stabilized Weather Resistant Nylon 6.6	Impact Modified Heat Stabilized Weather Resistant PIR*** Recycled Nylon 6.6	Flame Retardant Nylon 6.6	Flame Retardant Nylon 6.6	Polypropylene	Weather Resistant Polypropylene	General Purpose ABS	Weather Resistant ABS	TEFZEL	PEEK	Antimicrobial Metal Detectable Nylon	Metal Detectable Polypropylene	PVC	Weather Resistant Acetal
	Color	–	Natural, White, Black, Gray	Black	Black	Black	Natural	Black	Black	Black	Black	Natural	Gray, White, Green	Black	Natural, White, Black, Gray	Black	Aqua Blue	Translucent Brown	Blue	Dark Blue	Light Gray, White	Black
	Part Number Suffix (Material) Designation	–	None, 20, 14	0	0	30	39	300	350	360	60	69	14, None, 109	100	None, 20, 14	0	76	71	96A	186	8, 10	130
Tie Anchor Mounts, Stud Mounts, Low Profile Mounts	**TM**	–	✓	✓	–	✓	✓	–	–	–	–	✓	–	✓	–	–	✓	✓	✓	✓	–	–
	SGTM	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	TA1	–	✓	✓	–	✓	–	–	–	–	–	✓	–	–	–	–	–	–	✓	✓	–	–
	TA2	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	SGTM	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	TMEH	–	–	✓	–	–	–	–	✓	–	–	–	✓	✓	–	–	–	–	–	–	–	–
	TMSTLHS	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	TMSTHS	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	LPMM / LPMS	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Harness Clips, Edge Clips	**HCMP**	–	✓	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	HCME	–	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	✓
	UCC	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	✓
Fixed Diameter Clamps, Adjustable Clamps	**CCS**	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	CCH	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Pan-Clamp (PC)	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	ARC	–	–	–	–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–	–
Latching Wire Clips, Mounts and Holders	**LWC**	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	FCM	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	FCH	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	CH105	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	LC3, LC5, LC10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	–
Circuit Board Posts	**CBP**	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Epoxy Applied Mounts	**EMS**	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Material Selection Guide (continued)

	Materials	Test Method	Nylon 6.6	Weather Resistant Nylon 6.6	Impact Modified Weather Resistant Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Nylon 6.6	Heat Stabilized Weather Resistant Nylon 6.6	Impact Modified Heat Stabilized Weather Resistant Nylon 6.6	Impact Modified Heat Stabilized Weather Resistant PIR*** Recycled Nylon 6.6	Flame Retardant Nylon 6.6	Flame Retardant Nylon 6.6	Polypropylene	Weather Resistant Polypropylene	General Purpose ABS	Weather Resistant ABS	TEFZEL	PEEK	Antimicrobial Metal Detectable Nylon	Metal Detectable Polypropylene	PVC	Weather Resistant Acetal
	Color	–	Natural, White, Black, Gray	Black	Black	Black	Natural	Black	Black	Black	Black	Natural	Gray, White, Green	Black	Natural, White, Black, Gray	Black	Aqua Blue	Translucent Brown	Blue	Dark Blue	Light Gray, White	Black
	Part Number Suffix (Material) Designation	–	None, 20, 14	0	0	30	39	300	350	360	60	69	14, None, 109	100	None, 20, 14	0	76	71	96A	186	8, 10	130
Masonry Push Mounts, Fir Tree Push Mounts, Push Button Mounts	**MPMS/WH**	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	HVMPM	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	SGMPMS	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	PUM	–	–	✓	–	✓	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–
	PUME	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–
	PM2H25	–	✓	✓	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	PBMS	–	✓	✓	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Multiple Tie Plates	**MTP**	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	MTPC	–	–	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Push Barb Mounts	**TM2PWH**	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	PWMS	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

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