

# Cable Accessories

|   | 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 | Flame Retardant Nylon 6.6          |
|---|--------------------------|-----------------------------------|-----------------------------------|---|------------------------------------|------------------------------------|---|---|------------------------------------|
| <b>Color</b>  | —                        | Natural, White, Black, Gray       | Black                             | Black                                       | Black                              | Natural                            | Black                                       | Black   | Black                              |
| <b>Part Number Suffix (Material) Designation</b>        | —                        | None 20, 14                       | 0                                 | 0   | 30                                 | 39                                 | 300   | 350   | 60                                 |
| <b>Mechanical Properties</b>                            |                          |                                   |                                   |   |                                    |                                    |   |   |                                    |
| <b>Tensile at Yield 73°F (psi)</b>                      | ISO 527                  | 12,000                            | 12,000                            | 7,500                                       | 12,000                             | 12,000                             | 12,000                                      | 8,700   | 11,000                             |
| <b>Water Absorption (24 Hours)</b>                      | ASTM D570                | 1.2%                              | 1.2%                              | 1.2%  | 1.2%                               | 1.2%                               | 1.2%  | 1.2%  | 1.1%                               |
| <b>Radiation Resistance Rads</b>                        | —                        | 1 X 10                            | 1 X 10                            | 1 X 10                                      | 1 X 10                             | 1 X 10                             | 1 X 10                                      | 1 X 10  | 1 X 10                             |
| <b>Weathering Life Expectancy (Years)/UV Resistance</b> | —                        | 1-2                               | 7-9                               | 7-9   | 4-5                                | 1-2                                | 7-9   | 7-9   | 1-2                                |
| <b>Impact Resistance</b>                                | —                        | ○                                 | ○                                 | ●   | ○                                  | ○                                  | ○   | ●   | ●                                  |
| <b>Chemical Resistance</b>                              |                          |                                   |                                   |   |                                    |                                    |   |   |                                    |
| <b>Salts</b>  | —                        | ●                                 | ●                                 | ●   | ●                                  | ●                                  | ●   | ●   | ●                                  |
| <b>Hydrocarbons (Gas, Oil, Lubricants)</b>              | —                        | ●                                 | ●                                 | ●   | ●                                  | ●                                  | ●   | ●   | ●                                  |
| <b>Chlorinated Hydrocarbons</b>                         | —                        | ●                                 | ●                                 | ●   | ●                                  | ●                                  | ●   | ●   | ●                                  |
| <b>Acids</b>  | —                        | ●                                 | ●                                 | ●   | ●                                  | ●                                  | ●   | ●   | ●                                  |
| <b>Bases</b>  | —                        | ●                                 | ●                                 | ●   | ●                                  | ●                                  | ●   | ●   | ●                                  |
| <b>Acid Rain</b>  | —                        | ●                                 | ●                                 | ●   | ●                                  | ●                                  | ●   | ●   | ●                                  |
| <b>Thermal Properties</b>                               |                          |                                   |                                   |   |                                    |                                    |   |   |                                    |
| <b>Continuous Use Temperature Range</b>                 | UL 746B                  | -76 °F - 185 °F<br>-60 °C - 85 °C | -76 °F - 185 °F<br>-60 °C - 85 °C | -76 °F - 185 °F<br>-60 °C - 85 °C           | -76 °F - 239 °F<br>-60 °C - 115 °C | -76 °F - 239 °F<br>-60 °C - 115 °C | -76 °F - 239 °F<br>-60 °C - 115 °C          | -76 °F - 239 °F<br>-60 °C - 115 °C                          | -76 °F - 212 °F<br>-60 °C - 100 °C |
| <b>Flammability Rating</b>                              | UL 94                    | V-2                               | V-2                               | HB  | V-2                                | V-2                                | V-2   | HB  | V-0                                |
| <b>Low Smoke</b>  | ASTM E662                | PASS                              | PASS                              | PASS  | PASS                               | PASS                               | PASS  | PASS  | —                                  |
| <b>Oxygen Index</b>                                     | BS ISO 4589              | 28                                | 28                                | —   | 28                                 | 28                                 | 28  | 22  | 34                                 |
| <b>Halogen Free</b>                                     | IEC 60754-2              | Yes                               | Yes                               | Yes   | Yes                                | Yes                                | Yes   | Yes   | Yes                                |
| <b>Burning Fume Toxicity</b>                            | BSS-7239                 | PASS                              | PASS                              | PASS  | PASS                               | PASS                               | PASS  | PASS  | PASS                               |
| <b>Heat Deflection Temperature at 1.9 Mpa</b>           | ASTM D648<br>ISO 75-1/-2 | 158 °F<br>70 °C                   | 158 °F<br>70 °C                   | 145 °F<br>63 °C                             | 158 °F<br>70 °C                    | 158 °F<br>70 °C                    | 158 °F<br>70 °C                             | 158 °F<br>70 °C   | 154 °F<br>68 °C                    |
| <b>Relative Price</b>                                   | —                        | Low                               | Low                               | Low   | Low                                | Low                                | Med   | Med   | 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.

| Flame Retardant Nylon 6.6          | Polypropylene                      | Weather Resistant Polypropylene    | General Purpose ABS               | Weather Resistant ABS             | TEFZEL                             | PEEK   | Metal Detectable Nylon            | Metal Detectable Polypropylene     | PVC                               | Weather Resistant Acetal          |
|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|--|-----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| Natural                            | Gray, White, Green                 | Black                              | Natural, White, Black, Gray       | Black                             | Aqua Blue                          | Translucent Brown                              | Light Blue                        | Dark Blue                          | Light Gray                        | Black                             |
| 69                                 | 14, None, 109                      | 100                                | None 20, 14                       | 0                                 | 76                                 | 71   | 86                                | 186                                | 8                                 | 130                               |
| 11,000                             | 4,100                              | 4,100                              | 6,500                             | 6,500                             | 7,500                              | 15,200   | —                                 | —                                  | —                                 | 6,500                             |
| 1.1%                               | 0.1%                               | 0.1%                               | 0.3%                              | 0.3%                              | <0.03%                             | 0.5%   | 1.2%                              | 0.1%                               | 0.3%                              | <0.45%                            |
| 1 X 10 <sup>5</sup>                | 1 X 10 <sup>6</sup>                | 1 X 10 <sup>6</sup>                | —                                 | —                                 | 1 X 10                             | 1 X 10   | —                                 | 1 X 10                             | —                                 | 6 X 10                            |
| 1-2                                | 1-2                                | 7-9                                | 1                                 | 7-9                               | >15                                | —  | —                                 | 1                                  | —                                 | >20                               |
| ●                                  | ●                                  | ●                                  | ●                                 | ●                                 | ●                                  | ●  | ○                                 | ●                                  | ○                                 | ●                                 |
| ●                                  | ●                                  | ●                                  | ●                                 | ●                                 | ●                                  | ●  | ●                                 | ●                                  | ●                                 | ○                                 |
| ●                                  | ○                                  | ○                                  | ●                                 | ●                                 | ●                                  | ●  | ●                                 | ○                                  | ●                                 | ●                                 |
| ●                                  | ○                                  | ○                                  | ●                                 | ●                                 | ●                                  | ○  | ●                                 | ○                                  | ●                                 | ●                                 |
| ●                                  | ●                                  | ●                                  | ○                                 | ○                                 | ●                                  | ○  | ●                                 | ●                                  | ●                                 | ●                                 |
| ●                                  | ●                                  | ●                                  | ●                                 | ●                                 | ●                                  | ●  | ●                                 | ●                                  | ●                                 | ●                                 |
| ●                                  | ●                                  | ●                                  | ●                                 | ●                                 | ●                                  | ●  | ●                                 | ●                                  | ●                                 | ●                                 |
| -76 °F - 212 °F<br>-60 °C - 100 °C | -76 °F - 239 °F<br>-60 °C - 115 °C | -76 °F - 239 °F<br>-60 °C - 115 °C | -76 °F - 158 °F<br>-60 °C - 70 °C | -76 °F - 158 °F<br>-60 °C - 70 °C | -76 °F - 338 °F<br>-60 °C - 170 °C | -76 °F - 500 °F<br>-60 °C - 260 °C<br>(Note 2) | -76 °F - 185 °F<br>-60 °C - 85 °C | -76 °F - 239 °F<br>-60 °C - 115 °C | -40 °F - 122 °F<br>-40 °C - 50 °C | -76 °F - 185 °F<br>-60 °C - 85 °C |
| V-0                                | HB                                 | HB                                 | HB                                | HB                                | V-0                                | —  | HB                                | HB                                 | HB                                | HB                                |
| —                                  | —                                  | —                                  | —                                 | —                                 | —                                  | PASS   | —                                 | —                                  | —                                 | —                                 |
| 34                                 | —                                  | —                                  | 18-20                             | 18-20                             | 30                                 | 35   | —                                 | —                                  | —                                 | —                                 |
| Yes                                | Yes                                | Yes                                | Yes                               | Yes                               | No                                 | Yes  | Yes                               | Yes                                | Yes                               | Yes                               |
| PASS                               | —                                  | —                                  | —                                 | —                                 | —                                  | —  | —                                 | —                                  | —                                 | —                                 |
| 154 °F<br>68 °C                    | 122 °F<br>50 °C                    | 122 °F<br>50 °C                    | 210 °F<br>99 °C                   | 210 °F<br>99 °C                   | —                                  | 313 °F<br>156 °C                               | —                                 | —                                  | —                                 | 147 °F<br>64 °C                   |
| Med                                | Med                                | Med                                | Low                               | Low                               | High                               | High   | Low                               | Low                                | Low                               | Med                               |

Material Selection Guide

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|---|-------------|-----------------------------|-----------------------------|---|---------------------------|---------------------------|---|---|---------------------------|
| Color   | —           | Natural, White, Black, Gray | Black                       | Black                                       | Black                     | Natural                   | Black                                       | Black   | Black                     |
| Part Number Suffix (Material) Designation                 | —           | None 20, 14                 | 0                           | 0   | 30                        | 39                        | 300   | 350   | 60                        |
| <b>4-Way and Multiple Bridge Mounts</b>                   |             |                             |                             |   |                           |                           |   |   |                           |
| ABMQS   |             |                             |                             |   |                           |                           |   |   |                           |
| ABM1M   |             | X                           | X                           |   |                           |                           |   |   |                           |
| ABMM  |             |                             |                             |   |                           |                           |   |   |                           |
| ABM2S   |             |                             |                             |   |                           |                           |   |   |                           |
| ABM100  |             | X                           | X                           |   |                           |                           |   |   | X                         |
| ABM112  |             | X                           | X                           |   |                           |                           |   |   | X                         |
| ABM3H   |             | X                           | X                           |   |                           |                           |   |   |                           |
| ABM4H   |             | X                           | X                           |   |                           |                           |   |   |                           |
| SGABM20   |             | X                           | X                           |   |                           |                           | X   |   |                           |
| SGABM25   |             | X                           | X                           |   |                           |                           | X   |   |                           |
| SGABM30   |             | X                           | X                           |   |                           |                           | X   |   |                           |
| SGABM40   |             | X                           | X                           |   |                           |                           |   |   |                           |
| SGABM50   |             | X                           | X                           |   |                           |                           |   |   |                           |
| <b>Aerial Support Ties</b>                                |             |                             |                             |   |                           |                           |   |   |                           |
| AST   |             |                             |                             |   |                           |                           |   |   |                           |
| <b>Bevel Entry Clips</b>                                  |             |                             |                             |   |                           |                           |   |   |                           |
| BEC   |             | X                           |                             |   |                           |                           |   |   |                           |
| BECP  |             | X                           |                             |   |                           |                           |   |   |                           |
| <b>Cord Clips, Cable Clips and Holders</b>                |             |                             |                             |   |                           |                           |   |   |                           |
| ACC   |             | X                           | X                           |   |                           |                           | X   |   |                           |
| LPFCM   |             | X                           |                             |   |                           |                           |   |   |                           |
| FCC   |             | X                           |                             |   |                           |                           |   |   |                           |
| <b>Tie Anchor Mounts, Stud Mounts, Low Profile Mounts</b> |             |                             |                             |   |                           |                           |   |   |                           |
| TM  |             | X                           | X                           |   | X                         | X                         |   |   | X                         |
| SGTM  |             | X                           | X                           |   |                           |                           |   |   |                           |
| TA1   |             | X                           | X                           |   | X                         |                           |   |   |                           |
| TA2   |             | X                           |                             |   |                           |                           |   |   |                           |
| SGTM  |             | X                           | X                           |   |                           |                           |   |   |                           |
| TMEH  |             |                             | X                           | X   |                           |                           |   |   |                           |
| TMSTLHS   |             |                             |                             | X   |                           |                           |   |   |                           |
| TMSTHS  |             |                             |                             | X   |                           |                           |   |   |                           |
| TMSTEHS   |             |                             |                             |   |                           |                           |   | X   |                           |
| LPMM / LPMS   |             | X                           |                             |   |                           |                           |   |   |                           |
| <b>Harness Clips, Edge Clips</b>                          |             |                             |                             |   |                           |                           |   |   |                           |
| HCMP  |             |                             | X                           |   |                           | X                         |   |   | X                         |
| HCME  |             |                             |                             |   |                           | X                         |   |   |                           |
| UCC   |             |                             |                             |   |                           |                           |   |   |                           |

| Flame Retardant Nylon 6.6 | Polypropylene      | Weather Resistant Polypropylene | General Purpose ABS         | Weather Resistant ABS | TEFZEL    | PEEK              | Metal Detectable Nylon | Metal Detectable Polypropylene | PVC        | Weather Resistant Acetal |
|---------------------------|--------------------|---------------------------------|-----------------------------|-----------------------|-----------|-------------------|------------------------|--------------------------------|------------|--------------------------|
| Natural                   | Gray, White, Green | Black                           | Natural, White, Black, Gray | Black                 | Aqua Blue | Translucent Brown | Light Blue             | Dark Blue                      | Light Gray | Black                    |
| 69                        | 14, None, 109      | 100                             | None 20, 14                 | 0                     | 76        | 71                | 86                     | 186                            | 8          | 130                      |
|                           |                    |                                 | X                           | X                     |           |                   |                        |                                |            |                          |
|                           |                    |                                 | X                           | X                     |           |                   |                        |                                |            |                          |
|                           |                    |                                 | X                           | X                     |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            | X                        |

Table continues on page 5

## Material Selection Guide *(continued)*

|  | 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 | Flame Retardant Nylon 6.6 |
|--|-------------|-----------------------------|-----------------------------|---|---------------------------|---------------------------|---|---|---------------------------|
| <b>Color</b>   | —           | Natural, White, Black, Gray | Black                       | Black                                       | Black                     | Natural                   | Black                                       | Black   | Black                     |
| <b>Fixed Diameter Clamps, Adjustable Clamps</b>                      |             |                             |                             |   |                           |                           |   |   |                           |
| CCS  |             | X                           | X                           |   |                           |                           |   |   |                           |
| CCH  |             | X                           | X                           |   |                           |                           |   |   |                           |
| Pan-Clamp (PC)   |             |                             | X                           |   |                           |                           |   |   |                           |
| ARC  |             |                             |                             |   |                           |                           |   |   |                           |
| <b>Latching Wire Clips, Mounts and Holders</b>                       |             |                             |                             |   |                           |                           |   |   |                           |
| LWC  |             | X                           |                             |   |                           |                           |   |   |                           |
| FCM  |             | X                           |                             |   |                           |                           |   |   |                           |
| FCH  |             | X                           |                             |   |                           |                           |   |   |                           |
| CH105  |             | X                           |                             |   |                           |                           |   |   |                           |
| LC3, LC5, LC10   |             |                             |                             |   |                           |                           |   |   |                           |
| <b>Circuit Board Posts</b>   |             |                             |                             |   |                           |                           |   |   |                           |
| CBP  |             | X                           |                             |   |                           |                           |   |   |                           |
| <b>Epoxy Applied Mounts</b>  |             |                             |                             |   |                           |                           |   |   |                           |
| EMS  |             | X                           | X                           |   |                           |                           |   |   |                           |
| <b>Masonry Push Mounts, Fir Tree Push Mounts, Push Button Mounts</b> |             |                             |                             |   |                           |                           |   |   |                           |
| MPMS/WH  |             |                             |                             | X   |                           |                           |   |   |                           |
| HVMPM  |             |                             |                             | X   |                           |                           |   |   |                           |
| SGMPMS   |             |                             |                             | X   |                           |                           |   |   |                           |
| SGMPMWH  |             |                             |                             | X   |                           |                           |   |   |                           |
| PUM  |             |                             |                             |   | X                         |                           |   |   |                           |
| PM2H25   |             | X                           | X                           |   | X                         |                           |   |   |                           |
| PBMS   |             | X                           | X                           |   | X                         |                           |   |   |                           |
| <b>Multiple Tie Plates</b>   |             |                             |                             |   |                           |                           |   |   |                           |
| MTP  |             | X                           |                             |   |                           |                           |   |   |                           |
| MTPC   |             |                             |                             |   |                           |                           |   |   |                           |
| <b>Push Barb Mounts</b>  |             |                             |                             |   |                           |                           |   |   |                           |
| TM2PWH   |             | X                           |                             |   | X                         |                           |   |   |                           |
| PWMS   |             | X                           | X                           |   |                           |                           |   |   |                           |
| <b>Hook &amp; Loop Cble Tie Mounts</b>                               |             |                             |                             |   |                           |                           |   |   |                           |
| ABMT   |             | X                           | X                           |   |                           |                           |   |   | X                         |
| <b>J-Clips and Hold Clips</b>  |             |                             |                             |   |                           |                           |   |   |                           |
| AJC  |             |                             |                             |   |                           |                           |   |   |                           |
| A1C  |             |                             |                             |   |                           |                           |   |   |                           |
| A2C  |             |                             |                             |   |                           |                           |   |   |                           |

| Flame Retardant Nylon 6.6 | Polypropylene      | Weather Resistant Polypropylene | General Purpose ABS         | Weather Resistant ABS | TEFZEL    | PEEK              | Metal Detectable Nylon | Metal Detectable Polypropylene | PVC        | Weather Resistant Acetal |
|---------------------------|--------------------|---------------------------------|-----------------------------|-----------------------|-----------|-------------------|------------------------|--------------------------------|------------|--------------------------|
| Natural                   | Gray, White, Green | Black                           | Natural, White, Black, Gray | Black                 | Aqua Blue | Translucent Brown | Light Blue             | Dark Blue                      | Light Gray | Black                    |
|                           | X                  |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                | X          |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
| X                         |                    |                                 |                             |                       |           |                   |                        |                                |            |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                | X          |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                | X          |                          |
|                           |                    |                                 |                             |                       |           |                   |                        |                                | X          |                          |



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