

The following factors should be considered when determining the appropriate cable tray system.

## 1. Material & Finish

- Standards Available (Pages 18 - 20)
- Corrosion (Pages 21 - 23)
- Thermal Contraction and Expansion (Page 24)
- Installation Considerations and Electrical Grounding Capacity (Page 25)

## 2. Strength

- Environmental Loads (Pages 26 & 27)
- Concentrated Loads (Page 27)
- Support Span (Page 27)
- Deflection (Page 28)
- Rung/Trough Data (Page 29)
- Load Capacity (NEMA & CSA Classes) (Pages 30 & 31)
- Cable Data (Page 32)

## 3. Width & Available Loading Depth

- Cable Diameter (Page 32)
- Allowable Cable Fill (Pages 33 - 37)
- Barrier Requirements (Page 38)
- Future Expansion Requirements (Page 38)
- Space Limitations (Page 38)

## 4. Length

- Lengths Available (Page 39)
- Support Spans (Not to exceed the length of straight sections) (Page 39)
- Space Limitations (Page 39)
- Installation (Page 39)

## 5. Loading Possibilities

- Power Application (Page 40)
- Data/Communication Cabling (Page 40)
- Other Factors to Consider (Page 40)

## 6. Bottom Type

- Type of Cable (Page 41)
- Cost vs. Strength (Page 41)
- Cable Exposure (Page 41)
- Cable Attachment (Page 41)

## 7. Fitting Radius

- Cable Flexibility (Page 41)
- Space Limitations (Page 41)