

# Tray Cables

Aptiv's Tray Cables are multi-conductor power, control and signal cables used in industrial environments. Designed for use in cable tray, raceway or conduit, Tray Cables provide a rugged, safe solution for use in factory, processing plants and other industrial facilities.

## FEATURES & BENEFITS

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- Durable Construction – Rugged jackets (PVC, TPE) resist abrasion, impact, and mechanical stress.
- Environmental Resistance – Excellent protection against oils, chemicals, moisture, UV, and extreme temperatures.
- Versatile Applications – Supports power, control, and signal circuits for automation, machinery, and instrumentation.
- Flexible Installation – Compatible with trays, raceways, and conduits for organized cable routing.
- EMI/RFI Protection – Shielded versions available for sensitive signal environments.
- Outdoor & Direct Burial Rated – Many options suitable for outdoor use and direct burial installations.
- Flame Retardant – Meets UL 1277, IEC 60332, and other flame test standards for industrial safety.
- Cost-Efficient Wiring – Multi-circuit capability reduces installation time and material costs.
- Extended Service Life – Built to perform in harsh conditions, minimizing downtime and replacement.

PRODUCT SPECIFICATIONS

| Electrical Properties     |                                                       |
|---------------------------|-------------------------------------------------------|
| Voltage Rating            | 300V to 600V; dependent on application and insulation |
| Design Characteristics    |                                                       |
| Conductor Material        | Bare Copper, Tinned Copper                            |
| Insulation Material       | PVC, PE, XLPE, TPE, TPES,                             |
| Jacket Material           | PVC, TPE,                                             |
| Conductor Gauge           | 22 AWG to 500 MCM                                     |
| Number of Conductors      | 2 to 100+                                             |
| Shielding Type            | Foil, Braid, Spiral, Combination                      |
| Outer Diameter            | 5 mm to 35 mm                                         |
| Min. Bend Radius          | 5x to 10x cable O.D. (static)                         |
| Environmental Properties  |                                                       |
| Operating Temperature     | -40°C to +90°C Dry/Wet                                |
| Chemical Resistance       | Resistant to oils, acids, alkalis                     |
| UV Resistance             | Yes (sunlight resistant rated)                        |
| Moisture Resistance       | Excellent (wet location rated)                        |
| Flame Retardancy          | UL 1277 (FT4/VW-1), IEC 60332                         |
| RoHS and REACH Compliance | Compliant                                             |