



CABLE CONDUIT AND CABLE CONDUIT CONNECTORS

TE Connectivity's cable conduit is a high-performance solution for routing and protecting electrical wiring across industrial, commercial, and residential applications. Designed to safeguard cables from physical damage, moisture, dust, and chemicals, it enhances safety, system reliability, and longevity. Cable conduits are a critical link between electrical infrastructure and operational reliability. They protect wiring systems from environmental hazards, mechanical damage, electromagnetic interference, and chemical exposure, while ensuring compliance with stringent safety standards.

BENEFITS

- Quick installation, low labor costs; easy to use in tight spaces/corners
- Color-coded for clear purpose, fitting different user needs
- Outdoor-ready (long-term reliability, cuts maintenance/replacement costs)
- European/Asian customers: no need to switch suppliers for regional exports
- Double-layer open bellows conduit: easy install/maintenance (double slits), flexible, abrasion-resistant, strong impact strength
- Helps prevent accidental disconnection (protects circuit integrity, less downtime); hides wires for safety
- Customers choose optimal products for their applications.
- Conduit comes with a connector option which helps allow for quick and reliable connections to the panel and save assembly time
- High performance/flexibility: PA6 conduit
- Medium performance/low cost: PP conduit
- Solar market (price-sensitive): HB conduit (meets specs, saves money)

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FEATURES

- Flexible conduit material
- Different colors option
- Product with CE compliance
- Multilayer
- Secure locking mechanism on connectors
- Multiple flammability option
- UV-Stabilized
- Different material option
- Offer cost, weight and space savings with compact design

APPLICATIONS

- Robotics
- Warehouse automation
- Semiconductor manufacturing equipment
- HVAC
- Automotive
- Underground and outdoor Installations
- Transportation systems
- Building and construction
- Industrial facilities
- Renewable energy installations
- Data centers

PART NUMBERS

Part Number	Part Description	Size (IDXAD)
2500180-1	CC,PA6,8.5X11.5,BLK	8.5X11.7
2500180-2	CC,PA6,10X13,BLK	10.2X13
2500180-3	CC,PA6,12X15.8,BLK	12X15.8
2500180-4	CC,PA6,14.3X18.5,BLK	14.5X18.5
2500180-5	CC,PA6,17X21.2 ,BLK	17X21.2
2500180-6	CC,PA6,19X23.5 ,BLK	19X23.5
2500180-7	CC,PA6,20X25,BLK	20.5X25
2500180-8	CC,PA6,23X28.5 ,BLK	23.2X28.5
2500180-9	CC,PA6,29X34.5 ,BLK	29X34.5
1-2500180-0	CC,PA6,36X42.5 ,BLK	36X42.5
1-2500180-1	CC,PA6,48X54.5 ,BLK	48X54.5
1-2500180-2	CC,PA6,8.5X11.5,ORG	8.5X11.7
1-2500180-3	CC,PA6,10X13,ORG	10.2X13
1-2500180-4	CC,PA6,12X15.8,ORG	12X15.8
1-2500180-5	CC,PA6,14.3X18.5,ORG	14.5X18.5

MECHANICAL

- Conduit Colors - Grey, Black, Orange
- Operating Temperatures - Cable Conduit:
- -40°C to +125°C, (PA6 - Conduit)
 - -40°C to +105°C, (PP - Conduit)
- Operating Temperatures - Connectors:
- 2500400: -20°C to +100°C
 - 2500401: -20°C to +100°C

MATERIALS

- PA6
- PP

STANDARDS

- CE
- ROHS

SPECIFICATIONS

UL Flammability - Cable Conduit:

- UL94-V0
- UL94-HB

UL Flammability - Connectors:

- 2500400: UL94 - V0
- 2500401: UL94 - V2

Part Number	Part Description	Size (IDXAD)
1-2500180-6	CC,PA6,17X21.2 ,ORG	17X21.2
1-2500180-7	CC,PA6,19X23.5 ,ORG	19X23.5
1-2500180-8	CC,PA6,20X25,ORG	20.5X25
1-2500180-9	CC,PA6,23X28.5 ,ORG	23.2X28.5
2-2500180-0	CC,PA6,29X34.5 ,ORG	29X34.5
2-2500180-1	CC,PA6,36X42.5 ,ORG	36X42.5
2-2500180-2	CC,PA6,48X54.5 ,ORG	48X54.5
2-2500180-3	CC,PA6,8.5X11.5,GRY	8.5X11.7
2-2500180-4	CC,PA6,10X13,GRY	10.2X13
2-2500180-5	CC,PA6,12X15.8,GRY	12X15.8
2-2500180-6	CC,PA6,14.3X18.5,GRY	14.5X18.5
2-2500180-7	CC,PA6,17X21.2 ,GRY	17X21.2
2-2500180-8	CC,PA6,19X23.5 ,GRY	19X23.5
2-2500180-9	CC,PA6,20X25,GRY	20.5X25
3-2500180-0	CC,PA6,23X28.5 ,GRY	23.2X28.5

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Part Number	Part Description	Size (IDXAD)	Part Number	Part Description
3-2500180-1	CC,PA6,29X34.5 ,GRY	29X34.5	2500400-1	CC CONN,QC,PA,M12,13,BLK
3-2500180-2	CC,PA6,36X42.5 ,GRY	36X42.5	2500400-2	CC CONN,QC,PA,M16,15.8,BLK
3-2500180-3	CC,PA6,48X54.5 ,GRY	48X54.5	2500400-3	CC CONN,QC,PA,M20,18.5,BLK
2500181-1	CC,PP,8.5X11.5,BLK	8.5X11.7	2500400-4	CC CONN,QC,PA,M20,21.2,BLK
2500181-2	CC,PP,10X13,BLK	10.2X13	2500400-5	CC CONN,QC,PA,M25,25,BLK
2500181-3	CC,PP,12X15.8,BLK	12X15.8	2500400-6	CC CONN,QC,PA,M25,28.5,BLK
2500181-4	CC,PP,14.3X18.5,BLK	14.5X18.5	2500400-7	CC CONN,QC,PA,M32,34.5,BLK
2500181-5	CC,PP,17X21.2,BLK	17X21.2	2500400-8	CC CONN,QC,PA,M42,42.5,BLK
2500181-6	CC,PP,19X23.5,BLK	19X23.5	2500400-9	CC CONN,QC,PA,M50,54.5,BLK
2500181-7	CC,PP,20X25,BLK	20.5X25	1-2500400-0	CC CONN,QC,PA,PG9,13,BLK
2500181-8	CC,PP,23X28.5,BLK	23.2X28.5	1-2500400-1	CC CONN,QC,PA,PG11,15.8,BLK
2500181-9	CC,PP,29X34.5,BLK	29X34.5	1-2500400-2	CC CONN,QC,PA,PG13.5,18.5,BLK
1-2500181-0	CC,PP,36X42.5,BLK	36X42.5	1-2500400-3	CC CONN,QC,PA,PG16,21.2,BLK
1-2500181-1	CC,PP,48X54.5,BLK	48X54.5	1-2500400-4	CC CONN,QC,PA,PG21,25,BLK
1-2500181-2	CC,PP,8.5X11.5,GRY	8.5X11.7	1-2500400-5	CC CONN,QC,PA,PG21,28.5,BLK
1-2500181-3	CC,PP,10X13,GRY	10.2X13	1-2500400-6	CC CONN,QC,PA,PG29,34.5,BLK
1-2500181-4	CC,PP,12X15.8,GRY	12X15.8	1-2500400-7	CC CONN,QC,PA,PG36,42.5,BLK
1-2500181-5	CC,PP,14.3X18.5,GRY	14.5X18.5	1-2500400-8	CC CONN,QC,PA,PG48,54.5,BLK
1-2500181-6	CC,PP,17X21.2,GRY	17X21.2	2500401-1	CC CONN,REIN,PA,M12,13,BLK
1-2500181-7	CC,PP,19X23.5,GRY	19X23.5	2500401-2	CC CONN,REIN,PA,M16,15.8,BLK
1-2500181-8	CC,PP,20X25,GRY	20.5X25	2500401-3	CC CONN,REIN,PA,M20,18.5,BLK
1-2500181-9	CC,PP,23X28.5,GRY	23.2X28.5	2500401-4	CC CONN,REIN,PA,M20,21.2,BLK
2-2500181-0	CC,PP,29X34.5,GRY	29X34.5	2500401-5	CC CONN,REIN,PA,M25,25,BLK
2-2500181-1	CC,PP,36X42.5,GRY	36X42.5	2500401-6	CC CONN,REIN,PA,M25,28.5,BLK
2-2500181-2	CC,PP,48X54.5,GRY	48X54.5	2500401-7	CC CONN,REIN,PA,M32,34.5,BLK
2500182-1	CC,SPLIT,PA,9.4X13.8,BLK	9.4X13.8	2500401-8	CC CONN,REIN,PA,M42,42.5,BLK
2500182-2	CC,SPLIT,PA,13.5X19,BLK	13.5X19	2500401-9	CC CONN,REIN,PA,M50,54.5,BLK
2500182-3	CC,SPLIT,PA,16.6X22.2,BLK	16.6X22.2	1-2500401-0	CC CONN,REIN,PA,PG9,13,BLK
2500182-4	CC,SPLIT,PA,20.6X26.3,BLK	20.6X26.3	1-2500401-1	CC CONN,REIN,PA,PG11,15.8,BLK
2500182-5	CC,SPLIT,PA,23.3X29.8,BLK	23.3X29.8	1-2500401-2	CC CONN,REIN,PA,PG13.5,18.5,BLK
2500182-6	CC,SPLIT,PA,27.4X35.6	27.4X35.6	1-2500401-3	CC CONN,REIN,PA,PG16,21.2,BLK
			1-2500401-4	CC CONN,REIN,PA,PG21,25,BLK
			1-2500401-5	CC CONN,REIN,PA,PG21,28.5,BLK
			1-2500401-6	CC CONN,REIN,PA,PG29,34.5,BLK
			1-2500401-7	CC CONN,REIN,PA,PG36,42.5,BLK
			1-2500401-8	CC CONN,REIN,PA,PG48,54.5,BLK

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