

Def Stan 61-12 Part 25 / D-STX

HFI 140 insulated, HFS 107 XL B sheathed, shielded multicores to DSP 61-12 Pt 25

Intended for use on electric power and communications circuits

600/1000 V AC

| Order reference | | Cores | | | | Finished cable | | | Electrical | |
|-------------------------------------|----------------|--------------|-------------------------|-------|------------|----------------|--------------|---------|-----------------|---------------------|
| Description (NSN) | Article Number | No. of cores | Tin Plated Copper (TPC) | | HFI 140 | TPC braid | HFS 107 XL B | Weight | DC resistance | DC current rating |
| | | | CSA | Size | Insulation | Shield/s | Sheath/s | | DSP 61-12 Pt 25 | In free air at 40°C |
| | | Lay up | mm ² (AWG) | Nom Ø | Nom Ø | Nom Ø | Max Ø | Nom g/m | Max Ω/km | Amps |
| D 3007 STX 2 (6145-99-803-6629) | 6198036629 | 2 | 0.06 (30) | 0.30 | 0.70 | 1.90 | 3.90 | 20 | 395.0 | 2 |
| D 2419 STX 2 (6145-99-891-9339) | 6198919339 | | 0.2 (24) | 0.60 | 1.00 | 2.70 | 6.00 | 33 | 95.6 | 6 |
| D 2219 STX 2 (6145-99-892-0086) | 6198920086 | | 0.4 (22) | 0.76 | 1.16 | 3.00 | 6.30 | 50 | 60.0 | 8 |
| D 2019 STX 2 (6145-99-891-9361) | 6198919361 | | 0.6 (20) | 0.96 | 1.36 | 3.50 | 6.80 | 54 | 33.1 | 11 |
| D 1819 STX 2 (6145-99-892-0053) | 6198920053 | | 1.0 (18) | 1.20 | 1.60 | 4.00 | 7.30 | 90 | 21.1 | 14 |
| D 2419 STX 3 (6145-99-891-9341) | 6198919341 | 3 | 0.2 (24) | 0.60 | 1.00 | 2.90 | 6.20 | 37 | 95.6 | 5 |
| D 2219 STX 3 (6145-99-892-0047) | 6198920047 | | 0.4 (22) | 0.76 | 1.16 | 3.18 | 6.50 | 57 | 60.0 | 7 |
| D 2019 STX 3 (6145-99-891-9363) | 6198919363 | | 0.6 (20) | 0.96 | 1.36 | 3.70 | 7.00 | 61 | 33.1 | 10 |
| D 1819 STX 3 (6145-99-892-0054) | 6198920054 | | 1.0 (18) | 1.20 | 1.60 | 4.36 | 7.65 | 105 | 21.1 | 13 |
| D 2419 STX 4 (6145-99-891-9343) | 6198919343 | 4 | 0.2 (24) | 0.60 | 1.00 | 3.10 | 6.50 | 45 | 95.6 | 5 |
| D 2019 STX 4 (6145-99-891-9365) | 6198919365 | | 0.6 (20) | 0.96 | 1.36 | 4.10 | 7.40 | 73 | 33.1 | 9 |
| D 2419 STX 6 (6145-99-765-4033) | 6197654033 | 6 | 0.2 (24) | 0.60 | 1.00 | 3.60 | 6.40 | 64 | 95.6 | 4 |
| D 2019 STX 6 (6145-99-660-4108) | 6196604108 | | 0.6 (20) | 0.96 | 1.36 | 4.90 | 7.40 | 97 | 33.1 | 8 |
| D 2419 STX 7 (6145-99-891-9345) | 6198919345 | 7 | 0.2 (24) | 0.60 | 1.00 | 3.70 | 7.10 | 60 | 95.6 | 4 |
| D 2219 STX 7 (6145-99-892-0048) | 6198920048 | | 0.4 (22) | 0.76 | 1.16 | 4.25 | 7.55 | 98 | 60.0 | 5 |
| D 2019 STX 7 (6145-99-891-9367) | 6198919367 | | 0.6 (20) | 0.96 | 1.36 | 4.90 | 8.50 | 102 | 33.1 | 8 |
| D 1819 STX 7 (6145-99-892-0055) | 6198920055 | | 1.0 (18) | 1.20 | 1.60 | 5.75 | 9.25 | 170 | 21.1 | 10 |
| D 2019 STX 10 (6145-99-061-3987) | 6190613987 | 10 | 0.6 (20) | 0.96 | 1.36 | 6.30 | 9.10 | 142 | 33.1 | 7 |
| D 2419 STX 12 (6145-99-708-9552) | 6197089552 | 12 | 0.2 (24) | 0.60 | 1.00 | 4.70 | 7.90 | 100 | 95.6 | 3 |
| D 2019 STX 12 (6145-99-446-2412) | 6194462412 | | 0.6 (20) | 0.96 | 1.36 | 6.50 | 9.30 | 159 | 33.1 | 7 |

Cable identification

| | | | | | | | | | | |
|---------------|--|--|--|--|--|--|--|--|--|--|
| Mark & trace: | | | | | | | | | | |
| Cores | 1 core in a layer: White | | | | | | | | | |
| | 1 st core in each layer: Red, 2 nd core in each layer: Blue, all remaining cores White | | | | | | | | | |
| Sheath | Black | | | | | | | | | |
| Marking | DSP 61-12 PT 25 - Description - CSA - Country of production - Company Code - Year of production - Last 7 digits of the NSN | | | | | | | | | |

Characteristics and key properties

| | | | | | | | | | | |
|------------------------|------------------------------|-------------------------------|-------------------------|---|--|--|------------------------|---------------------------------|--|---|
| CE | UK CA | RoHS REACH LVD | | Current rating DIN VDE 0298-4 | Fluid resistant Fuel Oil Water | | Flame resistant | Halogen free | Smoke free | MBR Fixed = 4x Ø Flexing = 10x Ø |
| Approval | Approval | Approval | Codified | | | | | Temp low -30°C | Temp >40,000 hrs +85°C | Temp peak +120°C |
| Def Stan 61-12 Part 25 | Def Stan 61-12 Part 18 cores | Def Stan 61-12 Part 31 sheath | Nato Stock Number (NSN) | | | | | | | |

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Def Stan 61-12 Part 25 / D-STX

HFI 140 insulated, HFS 107 XL B sheathed, shielded multicores to DSP 61-12 Pt 25

Intended for use on electric power and communications circuits

600/1000 V AC

| Order reference | | Cores | | | | Finished cable | | | Electrical | |
|-------------------------------------|----------------|--------------|-------------------------|-------|------------|----------------|--------------|---------|-----------------|---------------------|
| Description (NSN) | Article Number | No. of cores | Tin Plated Copper (TPC) | | HFI 140 | TPC braid | HFS 107 XL B | Weight | DC resistance | DC current rating |
| | | | CSA | Size | Insulation | Shield/s | Sheath/s | | DSP 61-12 Pt 25 | In free air at 40°C |
| | | Lay up | mm ² (AWG) | Nom Ø | Nom Ø | Nom Ø | Max Ø | Nom g/m | Max Ω/km | Amps |
| D 2419 STX 14 (6145-99-891-9347) | 6198919347 | 14 | 0.2 (24) | 0.60 | 1.00 | 5.10 | 9.00 | 100 | 95.6 | 3 |
| D 2219 STX 14 (6145-99-892-0049) | 6198920049 | | 0.4 (22) | 0.76 | 1.16 | 5.88 | 9.40 | 160 | 60.0 | 4 |
| D 2019 STX 14 (6145-99-892-0049) | 6198919369 | | 0.6 (20) | 0.96 | 1.36 | 6.90 | 11.0 | 175 | 33.1 | 6 |
| D 1819 STX 14 (6145-99-892-0056) | 6198920056 | | 1.0 (18) | 1.20 | 1.60 | 8.09 | 12.0 | 280 | 21.1 | 8 |
| D 2419 STX 18 (6145-99-876-0082) | 6198760082 | 18 | 0.2 (24) | 0.60 | 1.00 | 5.50 | 8.70 | 130 | 95.6 | 3 |
| D 2019 STX 18 (6145-99-891-6750) | 6198916750 | | 0.6 (20) | 0.96 | 1.36 | 7.70 | 10.8 | 222 | 33.1 | 6 |
| D 2419 STX 19 (6145-99-891-9349) | 6198919349 | 19 | 0.2 (24) | 0.60 | 1.00 | 5.70 | 9.60 | 121 | 95.6 | 3 |
| D 2219 STX 19 (6145-99-892-0050) | 6198920050 | | 0.4 (22) | 0.76 | 1.16 | 6.55 | 10.1 | 190 | 60.0 | 4 |
| D 2419 STX 24 (6145-99-891-9351) | 6198919351 | 24 | 0.2 (24) | 0.60 | 1.00 | 6.70 | 11.0 | 146 | 95.6 | 3 |
| D 2219 STX 24 (6145-99-892-0051) | 6198920051 | | 0.4 (22) | 0.76 | 1.16 | 7.70 | 11.4 | 220 | 60.0 | 3 |
| D 1819 STX 24 (6145-99-891-9371) | 6198919371 | | 1.0 (18) | 1.20 | 1.60 | 9.10 | 13.0 | 273 | 21.1 | 7 |
| D 2419 STX 25 (6145-99-967-9941) | 6199679941 | 25 | 0.2 (24) | 0.60 | 1.00 | 6.70 | 10.3 | 173 | 95.6 | 2 |
| D 2019 STX 25 (6145-99-535-3593) | 6195353593 | | 0.6 (20) | 0.96 | 1.36 | 9.30 | 12.5 | 290 | 33.1 | 5 |
| D 2419 STX 36 (6145-99-172-8995) | 6191728995 | 36 | 0.2 (24) | 0.60 | 1.00 | 7.50 | 11.1 | 220 | 95.6 | 2 |
| D 2019 STX 36 (6145-99-215-3180) | 6192153180 | | 0.6 (20) | 0.96 | 1.36 | 10.5 | 13.9 | 391 | 33.1 | 4 |
| D 2219 STX 37 (6145-99-892-0052) | 6198920052 | 37 | 0.4 (22) | 0.76 | 1.16 | 8.85 | 12.8 | 295 | 60.0 | 3 |
| D 2219 STX 44 (6145-99-892-0087) | 6198920087 | 44 | 0.4 (22) | 0.76 | 1.16 | 10.2 | 14.1 | 375 | 60.0 | 3 |
| D 2419 STX 50 (6145-99-147-0155) | 6191470155 | 50 | 0.2 (24) | 0.60 | 1.00 | 8.90 | 12.9 | 291 | 95.6 | 2 |
| D 2019 STX 60 (6145-99-983-0385) | 6199830385 | 60 | 0.6 (20) | 0.96 | 1.36 | 13.4 | 17.0 | 612 | 33.1 | 3 |

Cable identification

| | | |
|---------|---|-----------------------|
| Cores | Mark & trace: 1 core in a layer: White 1 st core in each layer: Red, 2 nd core in each layer: Blue, all remaining cores White | 1 2 3 4 5 |
| Sheath | Black | ● |
| Marking | DSP 61-12 PT 25 - Description - CSA - Country of production - Company Code - Year of production - Last 7 digits of the NSN | |

Characteristics and key properties

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|------------------------|------------------------------|-------------------------------|---|--|------------------------|---------------------------------|--|---|
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| Approval | Approval | Approval | Codified | | | Temp low -30°C | Temp >40,000 hrs +85°C | Temp peak +120°C |
| Def Stan 61-12 Part 25 | Def Stan 61-12 Part 18 cores | Def Stan 61-12 Part 31 sheath | Nato Stock Number (NSN) | | | | | |

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