

Super-Flex[®] Travelling Cable/300V - 500V Steel Center



Complies with

IEC 60227-6

with power/signal only

| Part Number | Product Code | Number/Size of Conductors | Steel Core Diameter | Maximum Hang Length | Approximate Loop Diameter | Cable Nom. Diameter | Cable Net Weight |
|-------------|----------------------------|---------------------------|---------------------|---------------------|---------------------------|---------------------|------------------|
| 18-612-24 | WS 12-0.75 mm ² | 12 / 0.75 mm ² | 2.4 mm | 274 m | 0.50 m | 16.8 mm | 348 kg/km |
| 18-618-24 | WS 18-0.75 mm ² | 18 / 0.75 mm ² | 2.4 mm | 259 m | 0.53 m | 17.8 mm | 403 kg/km |
| 18-624-24 | WS 24-0.75 mm ² | 24 / 0.75 mm ² | 2.4 mm | 205 m | 0.59 m | 19.8 mm | 509 kg/km |
| 18-636-24 | WS 36-0.75 mm ² | 36 / 0.75 mm ² | 3.2 mm | 274 m | 0.72 m | 24.1 mm | 744 kg/km |
| 18-648-24 | WS 48-0.75 mm ² | 48 / 0.75 mm ² | 3.2 mm | 257 m | 0.75 m | 25.1 mm | 881 kg/km |
| 18-660-24 | WS 60-0.75 mm ² | 60 / 0.75 mm ² | 3.2 mm | 201 m | 0.88 m | 29.2 mm | 1126 kg/km |
| 18-672-24 | WS 72-0.75 mm ² | 72 / 0.75 mm ² | 4.0 mm | 243 m | 0.91 m | 30.4 mm | 1308 kg/km |
| 18-506-24 | WS 6-1.0 mm ² | 6 / 1.0 mm ² | 2.4 mm | 274 m | 0.39 m | 13.0 mm | 208 kg/km |
| 18-512-24 | WS 12-1.0 mm ² | 12 / 1.0 mm ² | 2.4 mm | 260 m | 0.52 m | 17.3 mm | 402 kg/km |
| 18-518-24 | WS 18-1.0 mm ² | 18 / 1.0 mm ² | 2.4 mm | 223 m | 0.56 m | 18.5 mm | 469 kg/km |
| 18-524-24 | WS 24-1.0 mm ² | 24 / 1.0 mm ² | 2.4 mm | 179 m | 0.61 m | 20.3 mm | 583 kg/km |
| 18-530-24 | WS 30-1.0 mm ² | 30 / 1.0 mm ² | 4.0 mm | 275 m | 0.71 m | 23.5 mm | 792 kg/km |
| 18-536-24 | WS 36-1.0 mm ² | 36 / 1.0 mm ² | 3.2 mm | 264 m | 0.76 m | 25.4 mm | 860 kg/km |
| 18-548-24 | WS 48-1.0 mm ² | 48 / 1.0 mm ² | 3.2 mm | 205 m | 0.83 m | 27.8 mm | 1104 kg/km |
| 18-560-24 | WS 60-1.0 mm ² | 60 / 1.0 mm ² | 3.2 mm | 168 m | 0.93 m | 31.1 mm | 1347 kg/km |
| 18-572-24 | WS 72-1.0 mm ² | 72 / 1.0 mm ² | 4.0 mm | 199 m | 1.00 m | 33.4 mm | 1597 kg/km |

with power/signal, shielded pairs and coax -

| Part Number | Product Code | Number/Size of Conductors & Shielded Pairs | Steel Core Diameter | Maximum Hang Length | Approximate Loop Diameter | Cable Nom. Diameter | Cable Net Weight |
|-------------|--------------|--|---------------------|---------------------|---------------------------|---------------------|------------------|
| 18-C46-55* | CSBX 46-US | 4 / 2.0 mm ² 25 / 0.75 mm ² 8 sh. pairs / 0.50 mm ² 1 coax / RG6/U | 4.0 mm | 226 m | 1.07 m | 35.8 mm | 1405 kg/km |
| 18-X61-13 | CSX 61 | 7 / 14 AWG • 2.0 mm ² 27 / 18 AWG • 0.75 mm ² 13 sh. pair / 20 AWG • 0.5 mm ² 1 coax / RG6/U | 6.4 mm | 275 m | 1.26 m | 41.9 mm | 2043 kg/km |
| 18-X62-55 | CSBX 62 | 4 / 2.0 mm ² 49 / 0.75 mm ² 4 sh. pairs / 0.50 mm ² 1 coax / RG6/U | 4.0 mm | 185 m | 1.13 m | 37.6 mm | 1713 kg/km |
| 18-075-55 | CSBX 75 | 20 / 2.0 mm ² 38 / 0.75 mm ² 8 sh. pairs / 0.50 mm ² 1 coax / RG6/U | 6.4 mm | 274 m | 1.29 mm | 42.9 mm | 2344 kg/km |

Custom cable designs are available. For longer hang length applications, call with your requirements.

*"Made in USA" is printed on this cable.

Insulation colours: Last conductor (ground) of the largest sized conductor (2.0 mm²) is yellow/green and all others are black.

For insulation colour details on combination cables, contact your Draka EP representative or distributor.

RG6/U is the standard coaxial cable used in CSBX and CSX-series Super-Flex cables and is used primarily for CCTV applications.

75 ohm, UL listed, CSA certified. Center conductor is 0.5 mm² soft drawn stranded copper insulated with cellular polyethylene, wrapped with aluminum tape, braided with tinned copper and jacketed with flame-retardant PVC.

Attenuation: 2.13 dB/100m @ 10 MHz
5.08 dB/100m @ 50 MHz
Capacitance: 56.7 pf/m

RG11/U is available as an option on CSBX-series Super-Flex cables and is used primarily for CCTV applications.

75 ohm, UL listed. Center conductor is 1.3 mm² soft drawn stranded copper insulated with cellular polyethylene, braided with bare copper for 97% coverage, and jacketed with flame-retardant PVC.

Attenuation: 2.16 dB/100m @ 10 MHz
4.26 dB/100m @ 50 MHz
Capacitance: 56.7 pf/m

Component Specifications

Steel Central Support

Preformed, flexible, low torsion, zinc-coated, steel wire rope, insulated with 70° C flame-retardant PVC and covered with a rayon or cotton braid.

Stranded Conductors

Bunch-stranded bare soft drawn copper, insulated with coloured 70° C flame-retardant PVC, identified by insulation colour or a combination of insulation colour and numerical markings appearing at least 13 times per meter.

Shielded Pairs

Composed of insulated conductors, braided with 0.50 mm² bare copper for 85% coverage, and jacketed with 70° C coloured, flame-retardant PVC.

Coax Cables

RG6/U style with 0.5 mm² stranded copper conductor and cellular polyethylene dielectric. Shield is tinned copper braid and overall aluminum foil. Jacket is flame-retardant PVC.

Jute Filler

Electrical-grade dry jute distributes interlayer pressure and reduces conductor friction.

Binder

Strong, helically-wound synthetic fibre.

Braid

A rayon or cotton braid is applied with 95% coverage.

Jacket

70° C PVC specifically compounded for flexibility and abrasion resistance. Polyurethane (PUR) jackets are available upon request.

Super-Flex® Travelling Cable/300V Steel Center to meet UL, CSA and NEC standards



with shielded pairs only

| Part Number | Product Code | Number/Size of Conductors | Steel Core Diameter | Maximum Hang Length | Approximate Loop Diameter | Cable Nom. Diameter | Cable Net Weight |
|-------------|--------------|---|---------------------|---------------------|---------------------------|---------------------|------------------|
| 18-301-15 | WSCC 2x20 SH | 2 sh. pair / 0.5 mm ² • 20 AWG | 2.4 mm | 275 m | 0.57 m | 19.1 mm | 298 kg/km |
| 18-002-15 | WSCC 4x20 SH | 4 sh. pair / 0.5 mm ² • 20 AWG | 3.2 mm | 275 m | 0.60 m | 20.0 mm | 491 kg/km |
| 18-003-15 | WSCC 6x20 SH | 6 sh. pair / 0.5 mm ² • 20 AWG | 3.2 mm | 275 m | 0.65 m | 21.6 mm | 543 kg/km |
| 18-004-15 | WSCC 8x20 SH | 8 sh. pair / 0.5 mm ² • 20 AWG | 4.0 mm | 275 m | 0.76 m | 25.4 mm | 729 kg/km |

with power/signal and shielded pairs

| Part Number | Product Code | Number/Size of Conductors | Steel Core Diameter | Maximum Hang Length | Approximate Loop Diameter | Cable Nom. Diameter | Cable Net Weight |
|-------------|--------------|---|---------------------|---------------------|---------------------------|---------------------|------------------|
| 18-441-12 | CWS 47 | 4 / 2.0 mm ² • 14 AWG 41 / 0.75 mm ² • 18 AWG 1 sh. pair / 0.5 mm ² • 20 AWG | 4.0 mm | 275 m | 0.92 m | 30.5 mm | 1147 kg/km |
| 18-059-12 | CWS 59 | 4 / 2.0 mm ² • 14 AWG 49 / 0.75 mm ² • 18 AWG 3 sh. pair / 0.5 mm ² • 20 AWG | 4.0 mm | 241 m | 0.93 m | 31.0 mm | 1317 kg/km |
| 18-X74-12 | CWS 74 | 20 / 2.0 mm ² • 14 AWG 38 / 0.75 mm ² • 18 AWG 8 sh. pair / 0.5 mm ² • 20 AWG | 4.0 mm | 150 m | 1.17 m | 39.1 mm | 2122 kg/km |
| 18-X74-06 | CWS 74 SP | 20 / 2.0 mm ² • 14 AWG 38 / 0.75 mm ² • 18 AWG 8 sh. pair / 0.5 mm ² • 20 AWG NOTE: This cable has a yellow/green ground. | 4.0 mm | 150 m | 1.17 m | 39.1 mm | 2122 kg/km |

Custom cable designs are available.

For longer hang length applications, call with your requirements.



Super-Flex® Travelling Cable/300V Halogen-free/steel center

with power/signal and shielded pairs - not UL/CSA listed

| Part Number | Product Code | Number/Size of Conductors | Steel Core Diameter | Maximum Hang Length | Approximate Loop Diameter | Cable Nom. Diameter | Cable Net Weight |
|-------------|--------------|--|---------------------|---------------------|---------------------------|---------------------|------------------|
| 18-Z74-99 | CWS74HF | 20 / 2.0 mm ² 38 / 0.75 mm ² 8 sh. pairs / 0.5 mm ² | 4.0 mm | 150 m | 1.20 m | 40.1 mm | 2119 kg/km |

Draka BV Super-Flex halogen-free cables have identical constructions to non-halogen cables except that all PVC compounds have been replaced with halogen-free polyurethane (the conductors are covered in a non-halogen thermoplastic).

NOTE: While halogen-free cables are not UL/CSA listed, they meet the intent of all relevant standards.

All Draka BV cables are available as halogen-free as a custom design.

Custom cable designs are available.

For longer hang length applications, call with your requirements.

Component Specifications

Steel Central Support

Preformed, flexible, low torsion, zinc-coated steel wire rope meeting applicable portions of US Military Specification MIL-W-83420, insulated with 60/70° C flame-retardant PVC and covered with a rayon or cotton braid.

Stranded Conductors

Bunch-stranded bare soft drawn copper, insulated with 60/70° C coloured, flame-retardant PVC complying with ANSI/ASTM, UL and CSA requirements and codes, identified by insulation colour or a combination of insulation colour and numerical markings appearing thirteen times per meter.

Shielded Pairs

Composed of insulated conductors, braided with 36 AWG bare copper for 85% coverage, and jacketed with 60/70° C coloured, flame-retardant PVC.

Jute Filler

Electrical-grade dry jute distributes interlayer pressure and reduces conductor friction.

Binder

Strong, helically-wound synthetic fibre.

Braid

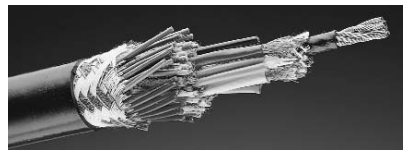
A rayon or cotton braid is applied with 95% coverage.

Jacket

60/70° C PVC specifically compounded for flexibility and abrasion resistance. UL VW-1 and CSA FT1 flame rated throughout. Polyurethane (PUR) jackets are available upon request.

Super-Flex® Travelling Cable/300V

Steel Center to meet UL, CSA and NEC standards



with power/signal, shielded pairs and/or coax

| Part Number | Product Code | Number/Size of Conductors & Shielded Pairs | Steel Core Diameter | Maximum Hang Length | Cable Nom. Diameter | Cable Net Weight |
|--|--------------|--|---------------------|---------------------|---------------------|------------------|
| 18-X05-13 | CSX 5 | 3 / 2.0 mm ² • 14 AWG 2 coax /RG6/U | 4.0 mm | 275 m | 25.4 mm | 685 kg/km |
| 18-309-13 | CSX 9 | 4 / 2.0 mm ² • 14 AWG 2 sh. pairs / 0.5 mm ² • 20 AWG 1 coax /RG6/U | 4.0 mm | 275 m | 26.7 mm | 723 kg/km |
| 18-214-13 | CSX 14 | 6 sh. pairs / 0.5 mm ² • 20 AWG 2 coax /RG6/U | 4.0 mm | 275 m | 26.9 mm | 848 kg/km |
| 18-X36-13 | CSX 36 | 17 / 2.0 mm ² • 14 AWG 8 sh. pairs / 0.5 mm ² • 20 AWG 3 coax /RG6/U | 6.4 mm | 275 m | 40.9 mm | 1891 kg/km |
| 18-X46-13 | CSX 46 | 11 / 2.0 mm ² • 14 AWG 22 / 0.75 mm ² • 18 AWG 6 sh. pairs / 0.5 mm ² • 20 AWG 1 coax /RG6/U | 4.0 mm | 208 m | 36.6 mm | 1525 kg/km |
| 18-46L-34 | CSX 46A LO | 11 / 1.5 mm ² | 4.0 mm | 212 m | 38.3 mm | 1494 kg/km |
| 18-46H-34 | CSX 46A HI | 22 / 0.75 mm ² 6 sh. pairs / 0.5 mm ² 1 coax /RG6/U | | | | |
| NOTE ON CSX 46A LO: 1.5 mm ² conductors are numbered 1 to 11. 0.75 mm ² conductors are numbered 1 to 22. NOTE ON CSX 46A HI: 1.5 mm ² conductors are numbered 12 to 22. 0.75 mm ² conductors are numbered 23 to 44. | | | | | | |
| 18-X47-13 | CSX 47 | 4 / 2.0 mm ² • 14 AWG 30 / 0.75 mm ² • 18 AWG 6 sh. pairs / 0.5 mm ² • 20 AWG 1 coax /RG6/U | 4.0 mm | 226 m | 34.3 mm | 1408 kg/km |
| 18-147-13 | CSX 47C | 7 / 2.0 mm ² • 14 AWG 19 / 0.75 mm ² • 18 AWG 10 sh. pair / 0.5 mm ² • 20 AWG 1 coax /RG6/U | 6.4 mm | 275 m | 40.0 mm | 1850 kg/km |
| 18-247-13 | CSX 47 O | 8 / 2.0 mm ² • 14 AWG 30 / 0.75 mm ² • 18 AWG 4 sh. pair / 0.5 mm ² • 20 AWG 1 coax /RG6/U | 4.0 mm | 196 m | 35.8 mm | 1622 kg/km |
| 18-X53-13 | CSX 53 | 4 / 2.0 mm ² • 14 AWG 45 / 0.75 mm ² • 18 AWG 1 sh. pair / 0.5 mm ² • 20 AWG 2 coax /RG6/U | 4.0 mm | 217 m | 34.0 mm | 1466 kg/km |
| 18-X57-13 | CSX 57 | 4 / 2.0 mm ² • 14 AWG 40 / 0.75 mm ² • 18 AWG 6 sh. pair / 0.5 mm ² • 20 AWG 1 coax /RG6/U | 4.0 mm | 187 m | 38.9 mm | 1702 kg/km |
| 18-X61-13 | CSX 61 | 7 / 2.0 mm ² • 14 AWG 27 / 0.75 mm ² • 18 AWG 13 sh. pair / 0.5 mm ² • 20 AWG 1 coax /RG6/U | 6.4 mm | 275 m | 41.9 mm | 2043 kg/km |

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Coax Cables
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Jute Filler
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Binder
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Braid
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Jacket
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