

SPREADERFLEX AWG BSKT XPRT 3GSLTOE 600V

Spreader cables for basket operation



Feeder cable for load-lifting equipment, e.g. spreader with high mechanical stress in gravity-fed collector basket operation, with voltage rate 600V and up to 0,6/1 kV. Suitable for operation in cold environment.

STANDARDS / APPROVALS

DIN VDE 0207-20	Compound
DIN VDE 0298-4	Electrical parameters
DIN EN 60811-404	Chemical behaviour

CABLE DESIGN

Conductor	Extremely finely stranded copper, bare (class FS)
Core insulation material	EPR rubber
-	Special compound 3GI3
Core arrangement	Core assembly: cores laid-up into bundles Bundle assembly: bundles laid-up around the central support element. (where applicable) Individual Screen made of tinned copper braid, with coverage: individual 60%; TSP 80%
-	Aramid threads woven round lead ball cords, arranged centrally. The breaking load is rated to provide a safety factor of 5 when the cable is suspended vertically for 50 m. In case of bigger cross-section and higher number of cores, the support element is a round rubber filler with Aramid threads.
Material outer sheath	Polyurethane (PUR)
-	Special compound

ELECTRICAL PARAMETERS

Rated voltage U ₀ /U (U _m)	0.6/1 (1.2) kV
Test voltage [kV]	3.5
AC test voltage (control cores) [kV]	3.5
Nominal voltage U [V]	600

THERMAL PARAMETERS

Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Ambient temperature fix installation (min) [°C]	-50
Ambient temperature fix installation (max) [°C]	80
Ambient temperature flexible installation (min) [°C]	-40
Ambient temperature flexible installation (max) [°C]	80

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CHEMICAL PARAMETERS

Oil resistant	Yes
Ozone resistance	Yes
Resistant to UV	Yes

MECHANICAL PARAMETERS

Permanent tensile strength (rule)	Increased through additional support element
Travel speed	-Hoist: up to 160 m/min
Bending radius (rule)	Acc. to VDE 0298-3: 4 X D fixed installation 5 X D flexible operation

NOTES ON INSTALLATION:

Cable must be laid into the basket in a counter-clockwise direction; detailed installation instructions available upon request.

Basket Design: "Dimensions depending on system (e.g. dependent on space requirements, hoisting height and speed, wind load). Recommended: basket diameter min. 30xD; basket height approx. 45xD (where D = cable diameter)."

Suspension length ≤ 70 m: unrestricted operation in accordance with the installation and application instructions. Suspension lengths > 70 m are permitted only under ideal operating conditions, at reduced lifting speeds, and following technical approval.

SUSTAINABILITY COMMITMENT

Our commitment to a low-carbon future remains unwavering as we strive to create sustainable solutions while upholding quality standards. We prioritize sustainability and environmental protection in our daily operations, collaborating with local communities to ensure workplace safety and safeguard the areas we operate in.

Sustainability and environmental responsibility is evident also in our **packaging** solutions across the CEE region. We use fully recyclable drum cover foils to minimize environmental impact. Our packaging for rings is made from 30% recycled materials, supporting a circular economy. Additionally, our boxes are made from recyclable, environment-friendly cardboard, promoting eco-conscious choices. By choosing Prysmian, you are not only selecting high-quality products but also contributing to a greener future.

Check for more details about our sustainability commitment here: [Sustainability: report and responsibility](#).



CABLE PROPERTIES

Basic construction	SAP code	External code	Diameter conductor [mm]	Cable diameter (min) [mm]	Cable diameter (max) [mm]	Cable weight [kg/km]
20x12AWG	20164631	5DE5694	2.4	30.3	33.3	1,910
24x12AWG	20160976	5DE5695	2.4	31.6	34.6	2,510
30x12AWG	20164632	5DE5693	2.4	34.4	37.4	3,050
36x12AWG	20164633	5DE5696	2.4	38.1	41.1	4,000
42x12AWG	20154751	5DE5692	2.4	42.4	45.4	4,800
48x12AWG	20175750	5DE5***	2.4	48.1	51.1	4,500

CABLE PROPERTIES ELECTRICAL / MECHANICAL

Basic construction	SAP code	External code	Short circuit current conductor (Isec) [kA]	Current carrying capacity [A]
20x12AWG	20164631	5DE5694	0.43	38
24x12AWG	20160976	5DE5695	0.43	38
30x12AWG	20164632	5DE5693	0.43	38
36x12AWG	20164633	5DE5696	0.43	38
42x12AWG	20154751	5DE5692	0.43	38
48x12AWG	20175750	5DE5***	0.43	38

Current carrying capacity acc. VDE 0298-4, installed free in air at 30°C ambient temperature