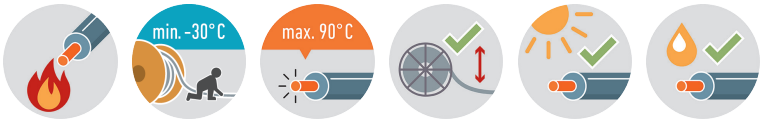
Medium voltage reeling cable
Faber® Crane-SR

Application: Flexible reeling cable for high and extreme mechanical stresses, e.g. torsional stress, deflection into different planes and high reeling speed. For laying indoors, outdoors, in industrial areas, harbours and open cast minings.

Bending radius: acc. to DIN VDE 0298-3

Construction and technical data:

Standard:	DIN VDE 0250-813 (with ref. to)
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	basic EPR
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	split in the outer interstices
Material inner sheath:	rubber 5GM5
Torsion protection:	synthetic braid
Torsion:	+/- 25 °/m
Sheathing material:	rubber 5GM5
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-404
Ozone-resistant:	yes
Max. temperature at conductor, °C:	90 °C
Max. short circuit temperature at conductor, °C:	250 °C
Permitted outer cable temperature, fixed, °C:	-50 - +80 °C
Permitted outer cable temperature, moved, °C:	-30 - +80 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	10 x Ø
Maximum tensile strength at the conductor:	20 N/mm²
Operating speed:	180 m/min.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Faber® Crane-SR 6/10 kV

Nominal voltage Uo: 6 kV

Nominal voltage U: 10 kV

Maximum permitted operating voltage in three-phase systems: 12 kV

Test voltage: 17 kV

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Fzp [N]	Fzd [N]	Cu	G [kg]
052960	3x25+3x25/3	0.78	131	45	2970	2970	960	2653
052961	3x35+3x25/3	0.554	162	48	2970	2970	1248	3095
053041	3x50+3x25/3	0.386	202	50	2250	3000	1680	3690

Faber® Crane-SR 12/20 kV

Nominal voltage Uo: 12 kV

Nominal voltage U: 20 kV

Maximum permitted operating voltage in three-phase systems: 24 kV

Test voltage: 29 kV

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Fzp [N]	Fzd [N]	Cu	G [kg]
053421	3x70+03x35/3	0.272	265	62	3150	4200	2352	5575

Faber® Crane-SR 3.6/6 kV

Nominal voltage Uo: 3.6 kV

Nominal voltage U: 6 kV

Maximum permitted operating voltage in three-phase systems: 7.2 kV

Test voltage: 11 kV

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Fzp [N]	Fzd [N]	Cu	G [kg]
054576	3X50 + 3X25/3	0.386	202	49	2250	3000	1680	3610
054578	3X240 + 3X120/3	0.0801		75	10800	14400	8064	11640

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Fzp	Tensile strength (permanent)
Fzd	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000

