

# Vertical reeling cable TRATOSLIGHT-VRDB®



**Application:** Reeling cable for vertical applications, also suitable for spreader reels and tender systems. Versions with additional fiber optic for digital control can be found in the TRATOSLIGHT-VRDB FO data sheet.

Special types with additional control wires are available on request.

## Construction and technical data:

<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 6 = very flexible
<b>Insulation:</b>	cross-linked elastomer
<b>Material inner sheath:</b>	elastomer
<b>Self-supporting element:</b>	Kevlar®
<b>Torsion protection:</b>	aramid braid
<b>Sheathing material:</b>	cross-linked elastomer
<b>Colour of outer sheath:</b>	yellow
<b>UV-resistant:</b>	yes
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-30 - +80 °C
<b>Bending radius, fixed installation:</b>	4 x Ø
<b>Bending radius, moving application:</b>	7 x Ø
<b>operating speed spreader, m/min.:</b>	300 m/min.
<b>Operating speed tender system, m/min.:</b>	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.*

# Tratoslight-VRDB®

<b>Nominal voltage U<sub>o</sub>:</b>	0.6 kV
<b>Nominal voltage U:</b>	1 kV
<b>Maximum permitted operating voltage in three-phase systems:</b>	1.2 kV
<b>Test voltage:</b>	2.5 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Fzp [N]	Fzd [N]	Cu	G [kg]
052407	56X2.5 YE	7.98	43	6600	6600	1344	2500

RI	Conductor resistance
Ø	outer diameter approx.
Fzp	Tensile strength (permanent)
Fzd	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000