

Reeling Cables

DR 750 P Offshore

Reeling cable for offshore applications



Marking for DR 750 P Offshore 7500425:

SAB BRÖCKSKES · D-VIERSEN · DR 750 P Offshore 4 G 2.5 mm² 0.6/1 kV CE

Application: The DR 750 P Offshore is a reeling cable for offshore areas. It is designed for spring loaded and motor driven cable reels in lifting and handling equipment on offshore platforms or ships

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	special polymer
Color code:	up to 5 conductors: HD 308 (VDE 0293-308), see below from 6 conductors: black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors: green/yellow specially adjusted layering
groundStranding:	
Inner jacket:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Supporting screen:	high-tech yarn
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005) matte

Outstanding features:



- suitable for offshore applications
- extremely high winding and unwinding strength
- small outer diameter
- lighter cable weight
- flame retardant and self-extinguishing
- halogen-free
- asbestos-free

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV
Testing voltage:	conductor/conductor: 4000 V
Min. bending radius:	
<i>fixed installation:</i>	5 x O.D.
<i>flexible:</i>	10 x O.D.
<i>for repeated winding action (flexible):</i>	10 x O.D.
<i>guided on deflection pulleys (flexible):</i>	15 x O.D.
Temperature range:	
<i>flexible:</i>	-40/+90°C lower temperatures on request
Halogen and fluorine content:	acc. to IEC 60754-1 + EN 60754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
MUD resistance:	very good - acc. to IEC 630092-350, IEC 61892-4, NEK TS 606
Chemical resistance:	very good against acids, alkalines, solvents, hydraulic liquids, etc.
Weather resistance:	very good
Sunlight resistance:	very good - enhanced due to black jacket color
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

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item no.	AWG/c	outer-ø		cable weight ≈lbs/mft	min breaking load of suspension unit N
		±10% inch	±10% inch		
▶ 7500210	18 AWG (≈ 56/34) / 2c	0.406	10.3	79	500
▶ 7500410	18 AWG (≈ 56/34) / 4c	0.429	10.9	94	1100
▶ 7501210	18 AWG (≈ 56/34) / 12c	0.732	18.6	275	2000
▶ 7500315	16 AWG (≈ 84/34) / 3c	0.429	10.9	97	1000
▶ 7500415	16 AWG (≈ 84/34) / 4c	0.457	11.6	112	1340
▶ 7500715	16 AWG (≈ 84/34) / 7c	0.579	14.7	183	2150
▶ 7501215	16 AWG (≈ 84/34) / 12c	0.787	20.0	343	2600
▶ 7501815	16 AWG (≈ 84/34) / 18c	0.787	20.0	351	3375
▶ 7500325	14 AWG (≈ 140/34) / 3c	0.461	11.7	122	1200
▶ 7500425	14 AWG (≈ 140/34) / 4c	0.512	13.0	148	1345

item no.	AWG/c	outer-ø		cable weight ≈lbs/mft	min breaking load of suspension unit N
		±10% inch	±10% inch		
▶ 7500440	12 AWG (≈ 224/34) / 4c	0.567	14.4	199	2000
▶ 7500460	10 AWG (≈ 186/32) / 4c	0.622	15.8	262	3000
▶ 7500461	8 AWG (≈ 320/32) / 4c	0.748	19.0	411	5000
▶ 7500462	6 AWG (≈ 504/32) / 4c	0.902	22.9	609	8000
▶ 7500463	4 AWG (≈ 760/32) / 4c	1.063	27.0	915	12500
▶ 7500464	2 AWG (≈ 1083/32) / 4c	1.213	30.8	1212	17500
▶ 7500465	1 AWG (≈ 703/28) / 4c	1.362	34.6	1712	25000
▶ 7500466	2/0 AWG (≈ 988/28) / 4c	1.622	41.2	2317	35000

Other dimensions and colors are available on request
Please mention the required winding length when placing the order.

HD 308 color code: up to 5 conductors

2c: blue, brown

3c: green/yellow, blue, brown

4c: green/yellow, brown, black, gray

5c: green/yellow, blue, brown, black, gray

Please pay attention to the installation instructions on page O/13



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