

# Crane and Conveyor Cables

## MR 460

PUR control cable with fiber-reinforced jacket



D-VIERSEN · MR 460 12 x 0.75 mm<sup>2</sup> 34601207 CE



Marking for MR 460 34601207:

SAB BRÖCKSKES · D-VIERSEN · MR 460 12 x 0.75 mm<sup>2</sup> 34601207 CE

**Application:** The MR 460 cable is intended for unprotected usage with high mechanical stress e.g. in the forest and agriculture industry.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors a green/yellow ground
<b>Stranding:</b>	specially adjusted layering
<b>Wrapping:</b>	non-woven tape
<b>Supporting screen:</b>	high-tech yarn
<b>Jacket material:</b>	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Jacket color:</b>	black (similar RAL 9005)

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V
<b>Testing voltage:</b>	conductor/conductor: 2000 V
<b>Min. bending radius:</b>	5 x O.D.
<i>fixed installation:</i>	10 x O.D.
<i>flexible application:</i>	
<b>Temperature range:</b>	
<i>static:</i>	-50/+90°C
<i>flexible:</i>	-40/+90°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.
<b>UV resistance:</b>	very good - enhanced due to black jacket color
<b>Mechanical characteristics:</b>	the main mechanical characteristics accomplished by the PUR outer jacket are: - high tensile strength - high tear strength - high abrasion resistance - high notch resistance - high transverse strength
<b>Approvals:</b>	CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

### Outstanding features:



- halogen-free
- reinforced outer jacket for high mechanical stress
- notch resistant abrasion resistant
- good flexibility also at low temperatures
- weather resistant
- oil resistance
- good chemical resistance
- sunlight resistance

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 20 AWG (≈ 28/34) • 0.50 mm<sup>2</sup></b>				
84600305	3	0.252	6.4	34
84600405	4	0.264	6.7	38
84600505	5	0.287	7.3	44
84600705	7	0.323	8.2	59
84601205	12	0.386	9.8	86
84601805	18	0.441	11.2	118
84602505	25	0.520	13.2	157
<b>▶ 19 AWG (≈ 42/34) • 0.75 mm<sup>2</sup></b>				
84600307	3	0.276	7.0	42
84600407	4	0.291	7.4	48
84600507	5	0.315	8.0	59
84600707	7	0.354	9.0	74
84601207	12	0.429	10.9	106
84601807	18	0.508	12.9	159
84602507	25	0.598	15.2	217

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 18 AWG (≈ 56/34) • 1.00 mm<sup>2</sup></b>				
84600310	3	0.291	7.4	48
84600410	4	0.311	7.9	60
84600510	5	0.335	8.5	70
84600710	7	0.390	9.9	92
84601210	12	0.469	11.9	141
84601810	18	0.535	13.6	190
84602510	25	0.654	16.6	273
<b>▶ 16 AWG (≈ 84/34) • 1.50 mm<sup>2</sup></b>				
84600315	3	0.315	8.0	65
84600415	4	0.339	8.6	76
84600515	5	0.366	9.3	89
84600715	7	0.429	10.9	138
84601215	12	0.516	13.1	186
84601815	18	0.610	15.5	271
84602515	25	0.724	18.4	363

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 14 AWG (≈ 140/34) • 2.50 mm<sup>2</sup></b>				
84600325	3	0.386	9.8	94
84600425	4	0.413	10.5	114
84600525	5	0.453	11.5	138
84600725	7	0.531	13.5	184
84601225	12	0.657	16.7	300
84601825	18	0.764	19.4	443
84602525	25	0.921	23.4	583

Other dimensions and colors are available on request