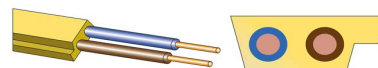


- with a yellow jacket for data and power transmission
- with a black jacket for additional auxiliary energy



Article no.	BW1979 / BW1980	BW2756 / BW2757 / BW3169
Material	TPE	EPDM
High-flex life expectation After 10 million bending cycles no wear	•	•
Very high flexibility	–	•
Oil-resistance	•	–
Fire protection	•	–
Halogen free	–	•
suitable for drag chains	•	–
UL and CSA certificated	•	–

Article no.	BW1979	BW1980	BW2756	BW2757	BW3169
<b>In general</b>					
Signal transmission	ASi	$U_{AUX}$	ASi	$U_{AUX}$	
Operating voltage	≤32 V	≤48 V	≤32 V	≤48 V	
Current rating	≤16 A				≤20 A
<b>Conductor</b>					
Material	stranded tinned copper wire, Ø 2,5 mm incl. insulation				
Nominal cross section	1.5 mm <sup>2</sup> / AWG16 (strand Ø 0.15 mm)				2.5 mm <sup>2</sup> / AWG14 (strand Ø 0.16 mm)
Insulation	TPE		rubber compound 3GI3		rubber compound EI4
Insulation thickness	ca. 0.35-0.5 mm				ca. 0.15-0.2 mm
Insulation color	BN, BU				
Conductor resistance	13.7 Ω/km				8.21 Ω/km
<b>Jacket</b>					
Material	thermoplastic elastomer compound (TPE)		rubber compound EM3		
Color	YE	BK	YE	BK	
<b>Suitable for drag chains</b>					
Reversed bending strength	<ul style="list-style-type: none"> <li>• 10<sup>6</sup> bending cycles</li> <li>• max. acceleration: 4 m/sec<sup>2</sup></li> <li>• max. horizontal speed: 4 m/sec</li> <li>• min. bending radius: 75 mm</li> <li>• max. horizontal length of cable: 10 m</li> </ul>		–		
Torsional strength	<ul style="list-style-type: none"> <li>• &gt;10<sup>6</sup> torsional cycles</li> <li>• ±180° on 0,5 m</li> </ul>		–		

Article no.	BW1979	BW1980	BW2756	BW2757	BW3169
<b>Environment</b>					
Applies standards	flame retardant acc. to IEC 60332-1-2 and UL 758, page 95 oil and cut oil resistant acc. to UL 758, sec. 15 cold bending resistant acc. to IEC 60811-1-4 UL-Style 2103, CSA-File LL55 255-42		cold bending resistant acc. to IEC 60811-1-4		
	EN 60529				
Operating temperature	-40 °C ... +105 °C		-40 °C ... +85 °C		
Protection category	IP67				
Delivery length	100 m (ring)				

Cross section	BW1979 / BW1980 / BW2756 / BW2757	BW3169