










































# Connection technology

Cable		Unprepared, cut to length			Order no.
<b>5 core + shield</b>					
<b>PVC electronic cable LiVCY</b>   	<b>Cross section</b>	5 x 0.14 mm <sup>2</sup> [AWG25]	suitable for:	<b>8.0000.6300.XXXX</b> <sup>1)</sup> incremental encoders without inversions	
	<b>Permanent working temperature range</b>	flexible installation: -5°C ... +70°C [+23°F ... +158°F] secure installation: -30°C ... +70°C [-22°F ... +158°F]			
	<b>Bending radius</b>	flexible installation: min. 70 mm [2.76"] secure installation: min. 45 mm [1.77"]			
	<b>Cable diameter</b>	approx. 4.7 mm ±0.2 mm			
<b>PE-X electronic trailing cable halogen-free, silicon-free</b>					
  	<b>Cross section</b>	5 x 0.75 mm <sup>2</sup> [AWG18]	suitable for:	<b>8.0000.6600.XXXX</b> <sup>1)</sup> H100 with speed switch, robust incremental encoders without inversions	
	<b>Permanent working temperature range</b>	flexible installation: -35°C ... +100°C [-31°F ... +212°F] secure installation: -40°C ... +100°C [-40°F ... +212°F]			
	<b>Bending radius</b>	flexible installation: min. 40 mm [1.57"] secure installation: min. 25 mm [0.98"]			
	<b>Cable diameter</b>	approx. 7.5 mm ±0.3 mm			
<b>8 core + shield</b>					
<b>PUR trailing cable halogen-free</b>    	<b>Cross section</b>	8 x 0.14 mm <sup>2</sup> [AWG25]	suitable for:	<b>8.0000.6P00.XXXX</b> <sup>1)</sup> Limes, 365X, 368X SSI and analog Safety-M	
	<b>Permanent working temperature range</b>	flexible installation: -20°C ... +90°C [-4°F ... +194°F] secure installation: -40°C ... +90°C [-40°F ... +194°F]			
	<b>Bending radius</b>	flexible installation: min. 65 mm [2.56"] secure installation: min. 45 mm [1.77"]			
	<b>Cable diameter</b>	approx. 5.5 mm ±0.2 mm			
<b>PUR trailing cable halogen-free</b>    	<b>Cross section</b>	3 x 2 x 0.14 mm <sup>2</sup> [AWG25] + 2 x 0.5 mm <sup>2</sup> [AWG20]	suitable for:	<b>8.0000.6F00.XXXX</b> <sup>1)</sup> Limes, 365X, 368X SSI and analog Safety-M	
	<b>Permanent working temperature range</b>	flexible installation: -30°C ... +80°C [-22°F ... +178°F] secure installation: -40°C ... +90°C [-40°F ... +194°F]			
	<b>Bending radius</b>	flexible installation: min. 80 mm [3.15"] secure installation: min. 50 mm [1.97"]			
	<b>Cable diameter</b>	approx. 7.4 mm ±0.3 mm			
<b>10 core + shield</b>					
<b>PUR electronic trailing cable halogen-free</b>   	<b>Cross section</b>	4 x 2 x 0.25 mm <sup>2</sup> [AWG23] + 2 x 1 mm <sup>2</sup> [AWG17]	suitable for:	<b>8.0000.6400.XXXX</b> <sup>1)</sup> H100, H120 LA10, LA50 Safety-M	
	<b>Permanent working temperature range</b>	flexible installation: -40°C ... +90°C [-40°F ... +194°F] secure installation: -50°C ... +90°C [-58°F ... +194°F]			
	<b>Bending radius</b>	flexible installation: min. 95 mm [3.74"] secure installation: min. 40 mm [1.57"]			
	<b>Cable diameter</b>	approx. 7.9 mm ±0.8 mm			




















1) XXXX = cable length in meters (e.g. 10 m = 0010)

# Connection technology

Cable		Unprepared, cut to length			Order no.
<b>12 core + shield</b>					
<b>PUR electronic cable</b> halogen-free 	<b>Cross section</b>		10 x 0.14 mm <sup>2</sup> [AWG25] + 2 x 0.5 mm <sup>2</sup> [AWG20]	suitable for:	<b>8.0000.6100.XXXX</b> <sup>1)</sup>
	<b>Permanent working temperature range</b>	flexible installation secure installation	-30°C ... +80°C [-22°F ... +176°F] -50°C ... +90°C [-58°F ... +194°F]	robust incremental encoders	
 	<b>Bending radius</b>	flexible installation secure installation	min. 50 mm [1.97"] min. 35 mm [1.38"]		
	<b>Cable diameter</b>		approx. 6.9 mm ±0.3 mm		
<b>PVC electronic cable LiYCY</b> 	<b>Cross section</b>		12 x 0.14 mm <sup>2</sup> [AWG25]	suitable for:	<b>8.0000.6200.XXXX</b> <sup>1)</sup>
	<b>Permanent working temperature range</b>	flexible installation secure installation	-10°C ... +90°C [+14°F ... +194°F] -30°C ... +90°C [-22°F ... +194°F]	incremental encoders standard cable	
 	<b>Bending radius</b>	flexible installation secure installation	min. 100 mm [3.94"] min. 65 mm [2.56"]		
	<b>Cable diameter</b>		approx. 6.7 mm ±0.3 mm		
<b>PE-X electronic cable</b> halogen-free 	<b>Cross section</b>		5 x 2 x 0.14 mm <sup>2</sup> + 2 x 0.5 mm <sup>2</sup>	suitable for:	<b>8.0000.6E00.XXXX</b> <sup>1)</sup>
	<b>Permanent working temperature range</b>	flexible installation secure installation	-25°C ... +110°C [-13°F ... +230°F] -40°C ... +135°C [-40°F ... +275°F]	high temperatures or encoders with sine wave output	
  	<b>Bending radius</b>	flexible installation secure installation	min. 90 mm [3.54"] min. 70 mm [2.76"]		
	<b>Cable diameter</b>		approx. 8.5 mm ±0.9 mm		
<b>PVC electronic cable LiYCY</b> 	<b>Cross section</b>		6 x 2 x 0.14 mm <sup>2</sup> [AWG25]	suitable for:	<b>8.0000.6900.XXXX</b> <sup>1)</sup>
	<b>Permanent working temperature range</b>	flexible installation secure installation	-5°C ... +70°C [+23°F ... +158°F] -30°C ... +80°C [-22°F ... +176°F]	absolute encoders with SSI or 4 ... 20 mA analog output, twisted pair conductors	
 	<b>Bending radius</b>	flexible installation secure installation	min. 110 mm [4.33"] min. 75 mm [2.95"]		
	<b>Cable diameter</b>		approx. 7.3 mm ±0.2 mm		
<b>PUR electronic cable</b> halogen-free 	<b>Cross section</b>		6 x 2 x 0.14 mm <sup>2</sup> [AWG25]	suitable for:	<b>8.0000.6Q00.XXXX</b> <sup>1)</sup>
	<b>Permanent working temperature range</b>	flexible installation secure installation	-10°C ... +90°C [+14°F ... +194°F] -30°C ... +90°C [-22°F ... +194°F]	ATEX zone 2/22 encoders	
    	<b>Bending radius</b>	flexible installation secure installation	min. 120 mm [4.72"] min. 80 mm [3.15"]		
	<b>Cable diameter</b>		approx. 7.8 mm ±0.2 mm		
<b>PVC trailing cable</b> halogen-free 	<b>Cross section</b>		4 x 0.10 mm <sup>2</sup> [AWG27] + 4 x 2 x 0.10 mm <sup>2</sup> [AWG27]	suitable for:	<b>8.0000.6D00.XXXX</b> <sup>1)</sup>
	<b>Permanent working temperature range</b>	flexible installation secure installation	-5°C ... +80°C [+23°F ... +176°F] -30°C ... +80°C [-22°F ... +176°F]	5873 Motor-Line	
   	<b>Bending radius</b>	flexible installation secure installation	min. 105 mm [4.13"] min. 70 mm [2.76"]		
	<b>Cable diameter</b>		approx. 5.8 mm ±0.2 mm		

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# Connection technology

Cable		Unprepared, cut to length			Order no.
<b>18 core + shield</b>					
<b>PVC electronic cable LiVCY</b>  	<b>Cross section</b>	18 x 0.14 mm <sup>2</sup> [AWG25]	suitable for:	<b>8.0000.6700.XXXX</b> <sup>1)</sup>	
	<b>Permanent working temperature range</b>	flexible installation -5°C ... +70°C [+23°F ... +158°F] secure installation -30°C ... +80°C [-22°F ... +176°F]	absolute encoders with parallel output, twisted pair conductors		
	<b>Bending radius</b>	flexible installation min. 120 mm [4.72"] secure installation min. 78 mm [3.07"]			
	<b>Cable diameter</b>	approx. 7.8 mm ±0.2 mm			
<b>PROFIBUS DP - cable</b>					
<b>PUR outer jacket, PE wire insulation halogen-free</b>    	<b>Cross section</b>	2 x 0.34 mm <sup>2</sup> [AWG22]	suitable for:	<b>05.KABEL451.XXX</b> <sup>1)</sup>	
	<b>Permanent working temperature range</b>	flexible installation -25°C ... +60°C [-13°F ... +140°F] secure installation -50°C ... +90°C [-58°F ... +194°F]	all Profibus fieldbus encoders, Safety-M modular SMBU and SMBS		
	<b>Bending radius</b>	flexible installation min. 80 mm [3.15"] secure installation min. 40 mm [1.57"]			
	<b>Cable diameter</b>	approx. 7.6 mm ±0.2 mm			
<b>DeviceNet - cable</b>					
<b>PUR outer jacket, PE wire insulation</b>    	<b>Cross section</b>	2 x 0.52 mm <sup>2</sup> [AWG24] + 2 x 1.04 mm <sup>2</sup> [AWG17]	suitable for:	<b>05.KABEL5723.XXX</b> <sup>1)</sup>	
	<b>Permanent working temperature range</b>	flexible installation -30°C ... +70°C [-22°F ... +158°F] secure installation -40°C ... +80°C [-40°F ... +176°F]	all DeviceNet fieldbus encoders		
	<b>Bending radius</b>	flexible installation min. 70 mm [2.76"] secure installation min. 50 mm [1.97"]			
	<b>Cable diameter</b>	approx. 8.4 mm ±0.2 mm			
<b>CANopen - cable</b>					
<b>PVC electronic cable</b>    	<b>Cross section</b>	3 x 2 x 0.25 mm <sup>2</sup> [AWG23]	suitable for:	<b>8.0000.6V00.XXXX</b> <sup>1)</sup>	
	<b>Permanent working temperature range</b>	flexible installation -10°C ... +90°C [+14°F ... +194°F] secure installation -30°C ... +90°C [-22°F ... +194°F]	all CANopen fieldbus encoders, Safety-M modular SMBU		
	<b>Bending radius</b>	flexible installation min. 130 mm [5.12"] secure installation min. 60 mm [2.36"]			
	<b>Cable diameter</b>	approx. 6.2 mm ±0.2 mm			
<b>Industrial Ethernet - cable</b>					
<b>PUR electronic cable</b>     	<b>Cross section</b>	2 x 2 x 0.34 mm <sup>2</sup> [AWG22]	suitable for:	<b>05.00.6031.1111.XXXM</b> <sup>1)</sup>	
	<b>Permanent working temperature range</b>	flexible installation -30°C ... +70°C [-22°F ... +158°F] secure installation -40°C ... +80°C [-40°F ... +176°F]	all EtherCAT / PROFINET IO / EtherNet/IP encoders, Safety-M modular SMBU and SMBS		
	<b>Bending radius</b>	flexible installation min. 50 mm [1.97"] secure installation min. 25 mm [0.98"]			
	<b>Cable diameter</b>	approx. 4.8 mm ±0.2 mm			

1) XXXX = cable length in meters (e.g. 10 m = 0010)