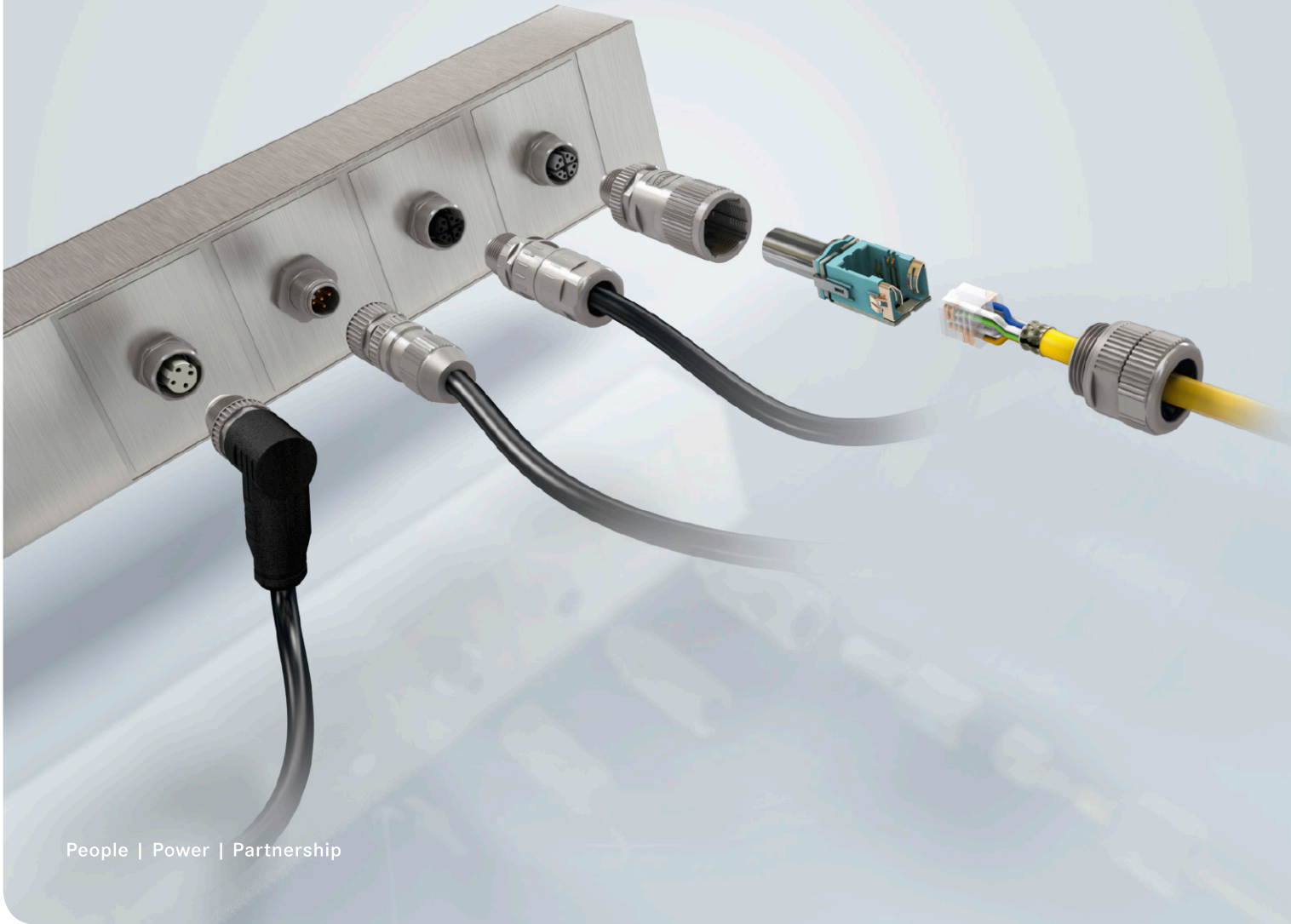




Pushing Performance



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HARTING Selection Guide for the M8/M12 cabling range

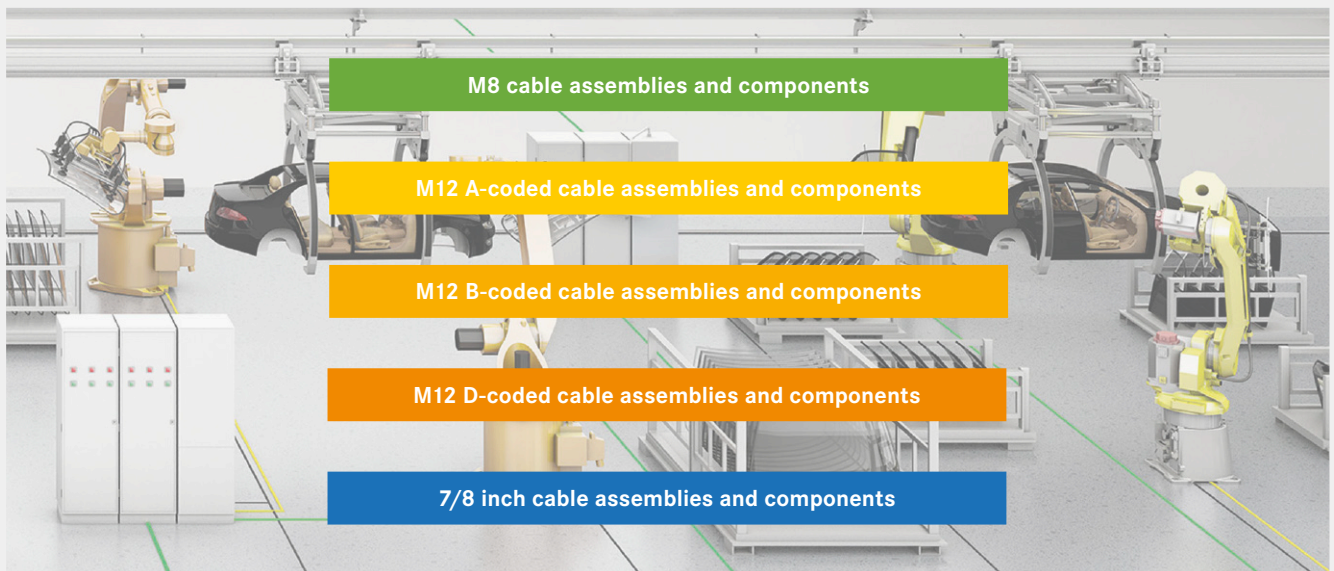
In just few steps to complete cabling solutions – with the Selection Guide

With this Selection Guide you get an easy tool, which supports you in designing your Smart Network Infrastructure quick, reliable and suitable for your requirements. In the topic Smart Network Infrastructure, HARTING is bundling their activities and products for passive and active network infrastructure for Industry-Applications.

Data network cabling divides into profil-specific solutions, 4-wire and suitable up to 100 Mbit/s (Fast Ethernet) and 8-wire solutions suitable for Gigabit Ethernet and further applications.

The profil-specific cabling solutions follow automation protocols and installation guidelines most common in the industry and in application areas near to the industry.

The 8-wired cabling solutions broaden the field of application from Fast Ethernet (100 Mbit/s) to Gigabit Ethernet and beyond e.g. 10 GB. At the same time the mentioned cables and connectors meet the standards for structured cabling according ISO/IEC 11 801 and according ISO/IEC 24 702 especially for installations in industrial buildings and similar applications.



Incomplete part numbers

In some cases you will find incomplete part numbers in this Selection Guide. Please fill in at all positions where you find “xxx” as follows:

e.g. part number is 21 34 800 0380 xxx


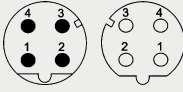
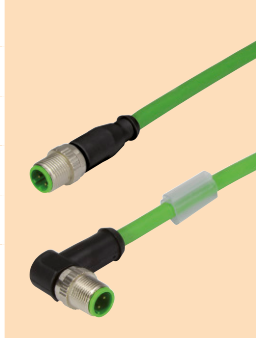
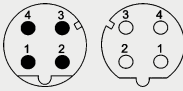

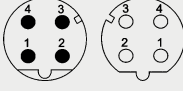

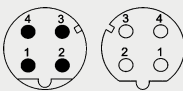
	cable lengths			cable lengths		
xxx = 001	0.1 m	available lengths in 0.1 m steps	xxx = 110	11.0 m	available lengths in 1.0 m steps	
xxx = 002	0.2 m		xxx = 120	12.0 m		
xxx = 003	0.3 m		xxx = 130	13.0 m		
...		
...	...		xxx = 380	38.0 m		
xxx = 098	9.8 m	xxx = 390	39.0 m			
xxx = 099	9.9 m	xxx = 400	40.0 m			
xxx = 100	10.0 m					

			Mating face, coding	Description	Part number
M8 cable assemblies and components	M8 single ended cordsets		<p>A-coding Mating face acc. to IEC 61076-2-101</p>	M8 cable assembly, 3 poles, male, straight, PVC, grey, 3 x 0.25 mm ²	21 34 800 0380 xxx
				M8 cable assembly, 3 poles, female, straight, PUR, black, 3 x 0.25 mm ²	21 34 810 0388 xxx
				M8 cable assembly, 3 poles, female, angled, PVC, grey, 3 x 0.25 mm ²	21 34 830 0380 xxx
				M8 cable assembly, 3 poles, female, angled, PUR, black, 3 x 0.25 mm ²	21 34 830 0388 xxx
				M8 cable assembly, 4 poles, male, straight, PVC, grey, 4 x 0.25 mm ²	21 34 800 0481 xxx
				M8 cable assembly, 4 poles, female, straight, PVC, black, 4 x 0.25 mm ²	21 34 810 0481 xxx
				M8 cable assembly, 4 poles, female, angled, PVC, grey, 4 x 0.25 mm ²	21 34 830 0481 xxx
				M8 cable assembly, 4 poles, female, angled, PUR, black, 4 x 0.25 mm ²	21 34 830 0489 xxx
M8 double ended cordsets		<p>A-coding Mating face acc. to IEC 61076-2-101</p>	M8 cable assembly, 3 poles, male/female, straight/straight, PVC, grey, 3 x 0.25 mm ²	21 34 808 1380 xxx	
			M8 cable assembly, 3 poles, male/female, straight/straight, PUR, black, 3 x 0.25 mm ²	21 34 808 1388 xxx	
			M8 cable assembly, 3 poles, male/female, straight/angled, PVC, grey, 3 x 0.25 mm ²	21 34 808 3380 xxx	
			M8 cable assembly, 3 poles, male/female, straight/angled, PUR, black, 3 x 0.25 mm ²	21 34 808 3388 xxx	
			M8 cable assembly, 4 poles, male/female, straight/straight, PVC, grey, 4 x 0.25 mm ²	21 34 808 1481 xxx	
			M8 cable assembly, 4 poles, male/female, straight/straight, PUR, black, 4 x 0.25 mm ²	21 34 808 1489 xxx	
M8 connectors		<p>A-coding Mating face acc. to IEC 61076-2-101</p>	HARAX® M8-XS, 3 poles, male, straight, for 0.1 - 0.14 mm ²	21 02 159 1305	
			HARAX® M8-S, 3 poles, male, straight, for 0.14 - 0.34 mm ²	21 02 151 1305	
			HARAX® M8-S, 3 poles, female, straight, for 0.14 - 0.34 mm ²	21 02 151 2305	
			HARAX® M8-S, 4 poles, male, straight, for 0.14 - 0.34 mm ²	21 02 151 1405	
			HARAX® M8-S, 4 poles, female, straight, for 0.14 - 0.34 mm ²	21 02 151 2405	
M8 panel feed-throughs		<p>A-coding Mating face acc. to IEC 61076-2-101</p>	M8 panel receptacle, 3 poles, female, length = 0.5 m	21 02 357 6305	
			M8 panel receptacle, 4 poles, female, length = 0.5 m	21 02 357 6405	


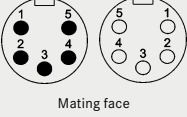

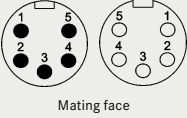

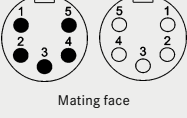

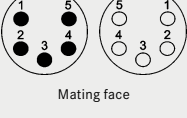
			Mating face, coding	Description	Part number
M12 A-coded cable assemblies and components	M12 A-coded single ended cordsets		<p>A-coding Mating face acc. to IEC 61 076-2-101</p> <p>A-coding Mating face acc. to IEC 61 076-2-101</p> <p>A-coding Mating face acc. to IEC 61 076-2-101</p>	M12 cable assembly, A-coded, 3 poles, male, straight, PVC grey	21 34 840 0383 xxx
				M12 cable assembly, A-coded, 3 poles, female, straight, PVC grey	21 34 850 0383 xxx
				M12 cable assembly, A-coded, 3 poles, female, straight, PUR black	21 34 850 0390 xxx
				M12 cable assembly, A-coded, 3 poles, female, angled, PVC grey	21 34 870 0383 xxx
				M12 cable assembly, A-coded, 3 poles, female, angled, PUR black	21 34 870 0390 xxx
				M12 cable assembly, A-coded, 4 poles, male, straight, PVC grey	21 34 840 0484 xxx
				M12 cable assembly, A-coded, 4 poles, male, angled, PVC grey	21 34 860 0484 xxx
				M12 cable assembly, A-coded, 4 poles, male, angled, PUR black	21 34 860 0491 xxx
				M12 cable assembly, A-coded, 4 poles, female, straight, PVC grey	21 34 850 0484 xxx
				M12 cable assembly, A-coded, 4 poles, female, straight, PUR black	21 34 850 0491 xxx
				M12 cable assembly, A-coded, 5 poles, male, straight, PVC grey	21 34 840 0585 xxx
				M12 cable assembly, A-coded, 5 poles, female, straight, PVC grey	21 34 850 0585 xxx
				M12 cable assembly, A-coded, 5 poles, female, angled, PVC grey	21 34 870 0585 xxx
				M12 cable assembly, A-coded, 8 poles, male, straight, PVC grey	21 34 840 0882 xxx
				M12 cable assembly, A-coded, 8 poles, female, straight, PVC grey	21 34 850 0882 xxx
				M12 cable assembly, A-coded, 12 poles, male, straight, PVC grey	21 34 840 0C79 xxx
				M12 cable assembly, A-coded, 12 poles, male, angled, PVC grey	21 34 860 0C79 xxx
				M12 cable assembly, A-coded, 12 poles, female, straight, PVC grey	21 34 850 0C79 xxx
				M12 cable assembly, A-coded, 12 poles, female, straight, PUR black	21 34 850 0C78 xxx
				M12 cable assembly, A-coded, 12 poles, female, angled, PVC grey	21 34 870 0C79 xxx
M12 cable assembly, A-coded, 12 poles, female, angled, PUR black	21 34 870 0C78 xxx				
M12 cable assembly, A-coded, 5 poles, male, straight, press and go	21 33 100 0502 xxx				
M12 A-coded double ended cordsets		<p>A-coding Mating face acc. to IEC 61 076-2-101</p> <p>A-coding Mating face acc. to IEC 61 076-2-101</p> <p>A-coding Mating face acc. to IEC 61 076-2-101</p>	M12 cable assembly, A-coded, 3 poles, male/female, straight/straight, PVC grey	21 34 848 5383 xxx	
			M12 cable assembly, A-coded, 3 poles, male/female, straight/straight, PUR black	21 34 848 5390 xxx	
			M12 cable assembly, A-coded, 4 poles, male/female, straight/straight, PVC grey	21 34 848 5484 xxx	
			M12 cable assembly, A-coded, 4 poles, male/female, straight/angled, PVC grey	21 34 848 7484 xxx	
			M12 cable assembly, A-coded, 4 poles, male/female, straight/straight, PUR black	21 34 848 5491 xxx	
			M12 cable assembly, A-coded, 4 poles, male/female, straight/angled, PUR black	21 34 848 7491 xxx	
			M12 cable assembly, A-coded, 5 poles, male/female, straight/straight, PVC grey	21 34 848 5585 xxx	
			M12 cable assembly, A-coded, 8 poles, male/female, straight/straight, PVC grey	21 34 848 5882 xxx	
			M12 cable assembly, A-coded, 12 poles, male/female, straight/straight, PVC grey	21 34 848 5C79 xxx	
			M12 cable assembly, A-coded, 12 poles, male/female, straight/straight, PUR black	21 34 848 5C78 xxx	
			M12 cable assembly, A-coded, 12 poles, male/female, angled/angled, PUR black	21 34 868 7C78 xxx	
			M12 cable assembly, A-coded, 5 poles, male, straight, press and go	21 33 101 0502 xxx	

			Mating face, coding	Description	Part number			
M12 A-coded cable assemblies and components	M12 A-coded connectors		<p>A-coding Mating face acc. to IEC 61076-2-101</p>	HARAX® M12-S, A-coded, 4 poles, male, straight, for 0.14 - 0.34 mm ²	21 03 111 1405			
				HARAX® M12-S, A-coded, 4 poles, male, straight, for 0.25 - 0.50 mm ²	21 03 112 1405			
				HARAX® M12-S, A-coded, 4 poles, female, straight, for 0.14 - 0.34 mm ²	21 03 111 2405			
				HARAX® M12-S, A-coded, 4 poles, female, straight, for 0.25 - 0.50 mm ²	21 03 112 2405			
				HARAX® M12-L, A-coded, 3 poles, male, straight, for 0.34 - 0.75 mm ² (assignment 3, 4, 5)	21 03 212 1400			
				HARAX® M12-L, A-coded, 3 poles, male, straight, for 0.34 - 0.75 mm ² (assignment 1, 3, 4)	21 03 212 1306			
				HARAX® M12-L, A-coded, 4 poles, male, straight, for 0.34 - 0.75 mm ²	21 03 212 1305			
				HARAX® M12-L, A-coded, 4 poles, male, straight, to 2.6 mm core diameter	21 03 212 1407			
				HARAX® M12-L, A-coded, 5 poles, male, straight, for 0.34 - 0.50 mm ²	21 03 272 1505			
				HARAX® M12-L, A-coded, 3 poles, female, straight, for 0.34 - 0.75 mm ² (assignment 3, 4, 5)	21 03 212 2400			
				HARAX® M12-L, A-coded, 3 poles, female, straight, for 0.34 - 0.75 mm ² (assignment 1, 3, 4)	21 03 212 2306			
				HARAX® M12-L, A-coded, 4 poles, female, straight, for 0.34 - 0.75 mm ²	21 03 212 2305			
				HARAX® M12-L, A-coded, 4 poles, female, straight, to 2.6 mm core diameter	21 03 212 2407			
				HARAX® M12-L, A-coded, 5 poles, female, straight, for 0.34 - 0.50 mm ²	21 03 272 2505			
				M12 slim design, A-coded, 5 poles, male, straight, with crimp termination	21 03 821 1505			
				M12 panel feed-throughs single ended, A-coded			M12 panel receptacle, A-coded, 3 poles, female, length = 0.5 m	21 03 317 6305
							M12 panel receptacle, A-coded, 4 poles, female, length = 0.5 m	21 03 317 6405
							M12 panel receptacle, A-coded, 5 poles, female, length = 0.5 m	21 03 317 6505
							M12 panel receptacle, A-coded, 8 poles, female, length = 0.5 m	21 03 317 6805
M12 panel receptacle, A-coded, 12 poles, female, length = 0.5 m	21 03 353 2C00							
M12 B-coded cable assemblies and components	M12 B-coded single ended cordsets		<p>B-coding Mating face acc. to IEC 61076-2-101</p>	M12 cable assembly, B-coded, 4 poles, male, straight, PVC purple	21 34 880 0486 xxx			
				M12 cable assembly, B-coded, 4 poles, male, angled, PVC purple	21 34 900 0486 xxx			
				M12 cable assembly, B-coded, 4 poles, female, straight, PVC purple	21 34 890 0486 xxx			
				M12 cable assembly, B-coded, 4 poles, female, angled, PVC purple	21 34 910 0486 xxx			
				M12 cable assembly, B-coded, 4 poles, female, straight, PUR purple	21 34 890 0487 xxx			
				M12 cable assembly, B-coded, 4 poles, female, angled, PUR purple	21 34 910 0487 xxx			
	M12 B-coded double ended cordsets			M12 cable assembly, B-coded, 4 poles, male/female, straight/straight, PVC purple	21 34 888 9486 xxx			
				M12 cable assembly, B-coded, 4 poles, male/female, straight/straight, PUR purple	21 34 888 9487 xxx			
				M12 cable assembly, B-coded, 4 poles, male/female, angled/angled, PUR purple	21 34 909 1487 xxx			
	M12 B-coded connectors		<p>B-coding Mating face acc. to IEC 61076-2-101</p>	HARAX® M12-L, B-coded, 2 poles, male, straight, for 0.25 - 0.34 mm ²	21 03 241 1301			
				HARAX® M12-L, B-coded, 2 poles, female, straight, for 0.25 - 0.34 mm ²	21 03 241 2301			
				M12, B-coded, 5 poles, male, straight, with crimp termination	21 03 841 1505			
				M12, B-coded, 5 poles, female, straight, with crimp termination	21 03 841 2505			
	M12 panel feed-throughs single ended, B-coded			<p>B-coding Mating face acc. to IEC 61076-2-101</p>	M12 panel receptacle, B-coded, 4 poles, female, length = 0.5 m	21 03 338 6405		

M12 D-coded cable assemblies and components

		Mating face, coding	Description	Part number
M12 D-coded single ended cordsets		 <p>D-coding Mating face acc. to IEC 61076-2-101</p>	M12 cable assembly, D-coded, male, straight, PUR green	21 34 920 0477 xxx
			M12 cable assembly, D-coded, male, straight, PVC green	21 34 920 0405 xxx
			M12 cable assembly, D-coded, male, angled, PUR green	21 34 940 0477 xxx
			M12 cable assembly, D-coded, male, angled, PVC green	21 34 940 0405 xxx
			M12 cable assembly, D-coded, female, straight, PUR green	21 34 930 0477 xxx
			M12 cable assembly, D-coded, female, straight, PVC green	21 34 930 0405 xxx
			M12 cable assembly, D-coded, female, angled, PUR green	21 34 950 0477 xxx
			M12 cable assembly, D-coded, female, angled, PVC green	21 34 950 0405 xxx
			M12 cable assembly, D-coded, male, straight, PVC, press and go	21 33 090 0401 xxx
M12 D-coded double ended cordsets		 <p>D-coding Mating face acc. to IEC 61076-2-101</p>	M12 cable assembly, D-coded, male/male, straight/straight, PUR green	21 34 929 2477 xxx
			M12 cable assembly, D-coded, male/female, straight/straight, PVC green	21 34 929 3405 xxx
			M12 cable assembly, D-coded, male/female, straight/straight, PUR green	21 34 929 3477 xxx
			M12 cable assembly, D-coded, male/male, straight/straight, PVC green	21 34 929 2405 xxx
			M12 cable assembly, D-coded, male/male, angled/angled, PUR green	21 34 949 4477 xxx
			M12 cable assembly, D-coded, male/male, angled/angled, PVC green	21 34 949 4405 xxx
			M12 cable assembly, D-coded, male, straight, press and go	21 33 090 9401 xxx
M12 D-coded connectors		 <p>D-coding Mating face acc. to IEC 61076-2-101</p>	HARAX® M12-L, D-coded, 4 poles, male, straight, for 0.14 - 0.34 mm ²	21 03 281 1405
			HARAX® M12-L, D-coded, 4 poles, male, straight, for 0.34 - 0.50 mm ²	21 03 282 1405
			HARAX® M12-L, D-coded, 4 poles, female, straight, for 0.14 - 0.34 mm ²	21 03 281 2405
			HARAX® M12-L, D-coded, 4 poles, female, straight, for 0.34 - 0.50 mm ²	21 03 282 2405
			M12, D-coded, 4 poles, male, straight, with crimp termination	21 03 882 1415
			M12 slim design, D-coded, 4 poles, male, straight, with crimp termination	21 03 881 1405
			M12 slim design, D-coded, 4 poles, male, angled, with crimp termination	21 03 881 3405
			M12 slim design, D-coded, 4 poles, female, angled, with crimp termination	21 03 881 4405
			M12 preLink® housing, D-coded	20 82 000 1210
			M12 preLink® module, D-coded, 4 poles, male	20 82 005 1214
M12 panel feed-throughs single ended, D-coded		 <p>D-coding Mating face acc. to IEC 61076-2-101</p>	M12 panel receptacle, D-coded, 4 poles, male, straight, for 0.14 - 0.34 mm ²	21 03 381 1425
			M12 panel receptacle, D-coded, 4 poles, female, straight, for 0.14 - 0.34 mm ²	21 03 381 2425
			M12 panel receptacle, D-coded, 4 poles, male, straight, with crimp termination	21 03 882 1425
			M12 slim design panel receptacle, D-coded, 4 poles, female, straight, with crimp termination	21 03 881 2425
			M12 panel receptacle, D-coded, 4 poles, male, straight, length = 0.5 m	21 03 371 1403
			M12 panel receptacle, D-coded, 4 poles, female, straight, length = 0.5 m	21 03 371 2403
			M12 panel receptacle, D-coded, 4 poles, female/RJ45, angled	21 03 381 4401
			M12 panel receptacle, D-coded, 4 poles, female/RJ45, straight	21 03 381 2401
			M12 gender changer, D-coded, 4 poles, female/female	21 03 381 6401

7/8 inch cable assemblies and components

		Mating face, coding	Description	Part number
7/8" single ended cordsets		 <p>Mating face</p>	7/8" cable assembly, 2 poles + PE, female, straight, PVC grey, 3 x 1.5 mm ²	21 34 970 0393 xxx
			7/8" cable assembly, 2 poles + PE, female, straight, PUR black, 3 x 1.5 mm ²	21 34 970 0394 xxx
			7/8" cable assembly, 4 poles, female, straight, PVC grey, 4 x 1.5 mm ²	21 34 970 0495 xxx
			7/8" cable assembly, 4 poles, female, straight, PUR black, 4 x 1.5 mm ²	21 34 970 0496 xxx
			7/8" cable assembly, 4 poles, female, angled, PVC grey, 4 x 1.5 mm ²	21 34 990 0495 xxx
			7/8" cable assembly, 4 poles, female, angled, PUR black, 4 x 1.5 mm ²	21 34 990 0496 xxx
			7/8" cable assembly, 4 poles + PE, female, straight, PVC grey, 5 x 1.5 mm ²	21 34 970 0597 xxx
			7/8" cable assembly, 4 poles + PE, female, straight, PUR black, 5 x 1.5 mm ²	21 34 970 0598 xxx
			7/8" cable assembly, 4 poles + PE, female, angled, PVC grey, 5 x 1.5 mm ²	21 34 990 0597 xxx
			7/8" cable assembly, 4 poles + PE, female, angled, PUR black, 5 x 1.5 mm ²	21 34 990 0598 xxx
7/8" double ended cordsets		 <p>Mating face</p>	7/8" cable assembly, 4 poles, male/female, straight/straight, PVC grey, 4 x 1.5 mm ²	21 34 969 7495 xxx
			7/8" cable assembly, 4 poles, male/female, straight/straight, PUR black, 4 x 1.5 mm ²	21 34 969 7496 xxx
			7/8" cable assembly, 4 poles, male/female, angled/angled, PVC grey, 4 x 1.5 mm ²	21 34 989 9495 xxx
			7/8" cable assembly, 4 poles, male/female, angled/angled, PUR black, 4 x 1.5 mm ²	21 34 989 9496 xxx
			7/8" cable assembly, 4 poles + PE, male/female, straight/straight, PVC grey, 5 x 1.5 mm ²	21 34 969 7597 xxx
			7/8" cable assembly, 4 poles + PE, male/female, straight/straight, PUR black, 5 x 1.5 mm ²	21 34 969 7598 xxx
			7/8" cable assembly, 4 poles + PE, male/female, angled/angled, PVC grey, 5 x 1.5 mm ²	21 34 989 9597 xxx
			7/8" cable assembly, 4 poles + PE, male/female, angled/angled, PUR black, 5 x 1.5 mm ²	21 34 989 9598 xxx
7/8" connectors		 <p>Mating face</p>	7/8" HARAX® male	21 04 116 1505
			7/8" HARAX® female	21 04 116 2505
7/8" panel feed-throughs single ended		 <p>Mating face</p>	7/8" panel receptacle, 3 poles, male, length = 0.2 m	21 04 316 1305
			7/8" panel receptacle, 5 poles, male, length = 0.5 m	21 04 316 1505
			7/8" panel receptacle, 3 poles, female, length = 0.5 m	21 04 316 2301
			7/8" panel receptacle, 4 poles, female, length = 0.5 m	21 04 316 2401
			7/8" panel receptacle, 5 poles, female, length = 0.5 m	21 04 316 2501



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