

Data cables for use drag chains – bending cycles for defined application parameters

Cable product	Article number	Dimension AWG/mm ²	Bending cycles				
			2 Mio.	3 Mio.	5 Mio.	7 Mio.	10 Mio.
ETHERLINE® FD P Cat.5e	2170289	2x2x26/19 AWG		15xD	16xD	19xD	
ETHERLINE® FD P Cat.5e	2170489	4x2x26/19 AWG			15xD	18xD	21xD
ETHERLINE® FD P BK Cat.5e	CE217489	4x2x26/19 AWG			15xD	18xD	21xD
ETHERLINE® P EC FD Cat.5e	2170433	1x4x26/19 AWG		15xD	16xD	19xD	
ETHERLINE® FD P FC Cat.5	2170894	2x2x22/7 AWG		8xD	11xD	14xD	
ETHERLINE® ROBOT PN FC Cat.5e	2170941	1x4x22/19 AWG			15xD	18xD	21xD
ETHERLINE® SERVO DQ FD P Cat.5e	2170937	2x2x26/19 AWG + 1x2x22/19 AWG			8xD	11xD	14xD
ETHERLINE® FD P Cat.6	2170488	4x2x26/19 AWG			8xD	11xD	14xD
ETHERLINE® FD P Cat.6 _A	2170484	4x2x24/7 AWG		15xD	16xD	19xD	
ETHERLINE® FD Cat.6 _A	2170485	4x2x24/7 AWG		15xD	16xD	19xD	
ETHERLINE® PN Cat.6 _A P FD FC	2170590	4x2x24/7 AWG			15xD	18xD	21xD
ETHERLINE® PN Cat.6 _A Y FD FC	2170591	4x2x24/7 AWG			15xD	18xD	21xD
ETHERLINE® Cat.6 _A P FD FC	2170592	4x2x26/19 AWG			15xD	18xD	21xD
ETHERLINE® Cat.6 _A Y FD FC	2170593	4x2x26/19 AWG			15xD	18xD	21xD
ETHERLINE® PN Cat.7 FD P	2170487	4x2x24/7 AWG		15xD	16xD	19xD	
ETHERLINE® T1 FD P	2170920	1x2x26/19 AWG		15xD	16xD	19xD	
UNITRONIC® BUS CAN FD P	2170272	1x2x0.25 mm ²		15xD	16xD	19xD	
UNITRONIC® BUS CAN FD P	2170273	2x2x0.25 mm ²		15xD	16xD	19xD	
UNITRONIC® BUS CAN FD P	2170275	1x2x0.34 mm ²		15xD	16xD	19xD	
UNITRONIC® BUS CAN FD P	2170276	2x2x0.34 mm ²		15xD	16xD	19xD	
UNITRONIC® BUS CAN FD P	2170278	1x2x0.5 mm ²		15xD	16xD	19xD	
UNITRONIC® BUS CAN FD P	2170279	2x2x0.5 mm ²		15xD	16xD	19xD	
UNITRONIC® BUS DN THICK FD P	2170344	1x2x18 AWG + 1x2x15 AWG		15xD	16xD	17xD	
UNITRONIC® BUS DN THIN FD P	2170345	1x2x24 AWG + 1x2x22 AWG			15xD	18xD	21xD
UNITRONIC® BUS DN THICK FD Y	2170346	1x2x18 AWG + 1x2x15 AWG		15xD	16xD	19xD	
UNITRONIC® BUS DN THIN FD Y	2170347	1x2x24 AWG + 1x2x22 AWG	15xD	16xD	17xD		
UNITRONIC® BUS IBS FD P COMBI A	2170818	3x2x0.25 mm ² + 3x1.0 mm ²	15xD	16xD	17xD		
UNITRONIC® BUS LD FD P	2170213	1x2x0.25 mm ²	15xD	16xD	17xD		
UNITRONIC® BUS LD FD P	2170214	2x2x0.25 mm ²	15xD	16xD	17xD		
UNITRONIC® BUS LD FD P	2170215	3x2x0.25 mm ²	15xD	16xD	17xD		
UNITRONIC® BUS LD FD P A	2170813	1x2x0.25 mm ²	15xD	16xD	17xD		
UNITRONIC® BUS LD FD P A	2170814	2x2x0.25 mm ²	15xD	16xD	17xD		
UNITRONIC® BUS LD FD P A	2170815	3x2x0.25 mm ²	15xD	16xD	17xD		
UNITRONIC® BUS PB FD P	2170222	1x2x0.64 mm ²	8xD	9xD	10xD		
UNITRONIC® BUS PB FD P A	2170822	1x2x0.64 mm ²	8xD	9xD	10xD		
UNITRONIC® BUS PB FD P FC	2170322	1x2x0.64 mm ²					15xD
UNITRONIC® BUS PB FD FRNC FC	2170997	1x2x0.64 mm ²				15xD	18xD
UNITRONIC® BUS PB FD P COMBI	2170227	1x2x0.22 mm ² + 3x1.0 mm ²		15xD	16xD	19xD	
UNITRONIC® BUS PB FD P HYBRID	2170495	1x2x0.64 mm ² + 4x1.5 mm ²		15xD	16xD	19xD	
UNITRONIC® BUS PB FD Y HYBRID	2170882	1x2x0.64 mm ² + 4x1.5 mm ²		8xD	9xD	12xD	

D = Outer diameter

The selection table A2-2 is to be used exclusively for application scenarios whose application parameters correspond to those listed below: Acceleration: 3 m/s² | Speed: 3 m/s | Travel distance: 5 m | Temperature: 20 °C

Above listed values, factors and bending cycles are guide values and serve only as non-binding benchmark for assessment of expectable service life. For deviating application scenarios, other bending cycle values are to be expected. We reserve the right for adjustments and modifications of above mentioned values.