



USE OF CABLE

as shielded, low capacity feedback, encoder, resolver, speedo sensor, signal & system cables for EMC compatible connecting in machine and plant engineering, as well as in drive and control technology, for high electrical and mechanical requirements in drag chain applications, moving drive systems and in the field of robotic technology.



SPECIAL FEATURES

- DESINA-conform (sheath colour green RAL 6018)
- cURus Approbationen 300V, 90°C
- halogen free and flame-retardant acc. to IEC 60332-1-2, FT1
- largely resistant to, grease, coolant fluids and lubricants
- resistant to oil, IEC 60811-404 (VDE 0473-811-404)
- UV-resistant
- low adhesion, silicone-free, space- and weight-saving
- MUD resistant acc. NEK 606-2009

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- optimal cost-value ratio
- very long life time
- 2-pair dimensions stranded as star quad

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE0295 cl. 6 resp. IEC 60228 cl. 6
Core insulation:	PELON®2
Core identification:	Acc. to system specification (on request)
Stranding:	Cores stranded to pairs or layers
Shield:	Elements: C: copper braid tinned resp. D: spiral copper shield tinned, opt. coverage appr. 85%
Element sheath material:	TPE - black (if mentioned 12Y)
Overall stranding:	Elements strand. together
Shield3:	Copper braid tinned, opt. coverage appr. 85%
Outer sheath:	PUR
Sheath colour:	GN - RAL 6018 (DESINA), OR - RAL 2003 or BK - RAL 9005
Rated voltage:	300 V, no high-voltage purpose
Testing voltage:	500 V
Conductor resistance:	Acc. to DIN VDE 0295 cl. 6 resp. IEC 60228 cl. 6
Insulation resistance:	Min. 20 MΩ x km
Min. bending radius fixed:	4 x d
Min. bending radius moved:	7,5 x d < 10 m TL 10 x d ≥ 10 m TL
Operat. temp. fixed min/max:	-50 °C / +90 °C
Operat. temp. moved min/max:	-40 °C / +90 °C
Halogen free:	Yes
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2, FT1
Torsion:	30°/m
Approvals:	UL/CSA: cURus 300V, 90°C
Speed:	Self-supporting - max. 5 m/s
Acceleration:	Max. 50 m/s²
Bending cycles:	Up to 10 Mio.

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1505200	(8 X 2 X 0,18)C	7,8	54,00	85,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
1505201	(4 X 2 X 0,34 + 4X0,5)C	8,9	77,00	129,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
1505202	(3 X (2 X 0,14)D12Y + 2X(0,5)D12Y)C	9,0	69,00	120,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
1505203	(3 X (2 X 0,14)D12Y + 4X0,14 + 2X0,5)C	8,9	66,00	120,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
1505204	(3X(2X0,14)D12Y + 4X0,14 + 4X0,25 + 2X0,5)C	9,6	86,00	135,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus

KAWEFLEX® 5488 SK-C-PUR UL/CSA

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1505205	(4 X 2 X 0,18)C	6,4	35,00	61,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
1505206	(2 X 2 X 0,18)C	5,0	24,00	39,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
1505207	(12 X 0,22)C	6,9	49,00	77,00	green	V1: KAWEFLEX 5488 SK-C-PUR UL/CSA - Siemens Standard MC 800 Plus
1505208	(4 X 2 X 0,25 + 2 X 0,5)C	8,5	61,00	105,00	green	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
1505209	(4 X 2 X 0,25 + 2 X 1)C	8,8	66,00	119,00	green	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
1505210	(9 X 0,5)C	8,8	69,00	127,00	green	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
1505211	(4 X 2 X 0,25 + 2 X 0,5)C	8,5	52,00	105,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
1505212	(4 X 2 X 0,25 + 2 X 1)C	8,8	66,00	119,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
1505213	(9 X 0,5)C	8,8	69,00	127,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
1505214	(4 X 1 + 4 X 2 X 0,14 + (4 X 0,14)D)C	9,5	90,00	145,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
1505215	(3 X (2 X 0,25)D + 3 X 0,25 + 2 X 1)C	9,0	95,00	151,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
1505216	(2 X 2 X 0,25 + 2 X 0,5)C	7,2	52,00	151,00	orange	V2: KAWEFLEX 5488 SK-C-PUR UL/CSA - Bosch Rexroth Standard
1505217	3 X (2 X 0,14)C + (2 X 0,5)C	9,9	54,00	124,00	green	V3: KAWEFLEX 5488 SK-C-PUR UL/CSA - Lenze Standard
1505218	4 X (2 X 0,14)C + 2 X (1,0)C	11,0	73,00	168,00	green	V3: KAWEFLEX 5488 SK-C-PUR UL/CSA - Lenze Standard
1505219	3 X (2 X 0,14)C + (3 X 0,14)C	9,2	43,00	120,00	green	V3: KAWEFLEX 5488 SK-C-PUR UL/CSA - Lenze Standard
1505220	(3 X 2 X AWG24)C	6,5	31,00	57,00	green	V4: KAWEFLEX 5488 SK-C-PUR UL/CSA - B & R
1505221	(5 X 2 X 0,14 + 2 X 0,5)C	7,8	48,00	79,00	green	V4: KAWEFLEX 5488 SK-C-PUR UL/CSA - B & R
1505222	(3 X (2 X 0,14)D12Y + 2 X (0,5)D12Y)C	8,4	75,00	103,00	black	V5: KAWEFLEX 5488 SK-C-PUR UL/CSA - Heidenhain
1505223	(4 X 2 X 0,14 + 4 X 0,5)C	8,5	52,00	103,00	black	V5: KAWEFLEX 5488 SK-C-PUR UL/CSA - Heidenhain
1505224	(3 X (2 X 0,14)D12Y + 2 X (1,0)D12Y)C	9,1	81,00	132,00	black	V5: KAWEFLEX 5488 SK-C-PUR UL/CSA - Heidenhain
1505225	(4 X 2 X 0,14 + (4 X 0,14)D + 4 X 0,5)C	9,0	81,00	123,00	black	V5: KAWEFLEX 5488 SK-C-PUR UL/CSA - Heidenhain
1505249	(10 X 0,14 + 2 X 0,5)C	7,2	43,00	79,00	black	V5: KAWEFLEX 5488 SK-C-PUR UL/CSA - Heidenhain
1505226	(5 X 2 X 0,25)C	7,6	47,00	82,00	green	V6: KAWEFLEX 5488 SK-C-PUR UL/CSA - SEW
1505227	(6 X 2 X 0,25)C	7,9	52,00	108,00	green	V6: KAWEFLEX 5488 SK-C-PUR UL/CSA - SEW
1505228	(3 X (2 X 0,25)D)C	7,2	58,00	80,00	green	V7: KAWEFLEX 5488 SK-C-PUR UL/CSA - DIVERSE
1505229	(4 X (2 X 0,25)C + 2 X 0,5)C	10,2	116,00	162,00	green	V7: KAWEFLEX 5488 SK-C-PUR UL/CSA - DIVERSE
1505230	(4 X (2 X 0,25)C + 2 X 1)C	10,5	133,00	185,00	green	V7: KAWEFLEX 5488 SK-C-PUR UL/CSA - DIVERSE
1505248	(4 X 2 X 0,14 + 4 X 0,25)C	6,1	41,00	70,00	black	V7: KAWEFLEX 5488 SK-C-PUR UL/CSA - DIVERSE