

SPECIAL PROFINET 681 continuously flexible, type C
SPECIAL PROFINET 682 continuously flexible, type C, UL approval









ELETTROTEK KABEL® SPECIAL PROFINET 681



Construction:

CONDUCTOR:	(PROFINET 681): FLEXIBLE TINNED COPPER CONDUCTORS EXTRA FINE WIRES (PROFINET 682): FLEXIBLE RED COPPER CONDUCTORS EXTRA FINE WIRES
INSULATION:	HALOGEN FREE COMPOUND
COLOUR CORES:	WHITE/BLUE, WHITE/ORANGE, WHITE/GREEN, WHITE/BROWN
STRANDING:	CORES TWISTED IN PAIRS
WRAPPING:	NON-WOVEN TAPE
SCREEN:	ALUMINIUM TAPE AND TINNED COPPER BRAID
WRAPPING:	NON-WOVEN TAPE
OUTER SHEATH:	GREEN (SIMILAR RAL 6018) PUR COMPOUND

Resistance:

	SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO: IEC 60332-1 (SPECIAL PROFINET 682)
	HALOGEN-FREE ACC. TO: DIN VDE 0472, PART 815, EN 50267-2-2, IEC 60754-1 (SPECIAL PROFINET 681 & 682)
	CORROSIVENESS OF CONFLAGRATION GASES ACC. TO: EN 50267-2-2, IEC 60754-2 (SPECIAL PROFINET 682)
	OIL RESISTANCE ACC. TO: DIN VDE 0282 PART 10 + HD 22.10 (SPECIAL PROFINET 681) IEC 60811-2-1, ICEA S-82-552 AND ASTM-OIL 1 (SPECIAL PROFINET 682)
	UV RESISTANT / SUNLIGHT RESISTANT ACC. TO: UL1581§1200 (SPECIAL PROFINET 682)
	MUD RESISTANCE ACC. TO: NEK 606 (SPECIAL PROFINET 682)

Technical data:

PEAK OPERATING VOLTAGE:	MAX. 350 V
TEST VOLTAGE:	CORE/CORE 1,5 KV CORE/SCREEN 1,2 KV
TEMPERATURE RANGE	
FIXED LAYING:	- 40 UP TO +90°C
FLEXIBLE APPLICATION:	- 30 UP TO +70°C
MIN. BENDING RADIUS:	
FIXED LAYING:	5 x D
FLEXIBLE INSTALLATION:	10 x D
CONTINUOUSLY FLEXIBLE:	12 x D
MAX SPEED (MAIN APPLICATION):	250 m/min
CHARACTERISTIC IMPEDANCE:	100Ω ± 5Ω, ACC. TO EN 50288-2-2 (CAT 5E ACC. TO EN 50173-1)

Features:

 AWM 10493-20233 300V/80°C CE
(SPECIAL PROFINET 682)

ACC. TO STANDARDS:
EN 50288-1,
EN 50288-2-2,
EN 50173,
IEC 61156-3,
ISO/IEC 11801
(SPECIAL PROFINET 682)

FOR SPEED SEE PAGES FROM 1 AND 2 OF CATALOGUE

ROHS AND CE APPROVAL



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Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
39320CEX042M01	4 x 2 x 0,14	7,2	35,5	58	26
39330CEX022A22	2 x 2 x 0,34	6,8	25	-	22
39330CEX042A26	4 x 2 x 0,14	7,3	35,5	60	26

Other dimension and colours available on request.