

TFXP 600/1000V

Norm: base on HD 603 part 5M; HD 603 S1/A3



XLPE insulated and green PVC sheathed power and control cable



CONSTRUCTION

Conductors:	plain soft aluminium (annealed after stranding) sector-shaped class 2 (SM)
Insulation:	XLPE compound type DIX10 acc. to HD 603 p.5M, tab.2A
Inner covering:	Polyethylene compound type DMP6 tab 4A and 4B of HD 603-1
Sheath:	PVC compound type DMV16; colour green RAL6016 tab 4A and 4B of HD 603-1

CHARACTERISTIC

Colour of sheath:	green
Core identification:	4-core: green-yellow, black, brown, white
Maximum conductor operating temperature:	+90°C
Lowest ambient temperature for fixed installation:	-30°C
Lowest installation temperature:	-5°C
Maximum short-circuit conductor temperature:	+250°C
Minimum bending radius:	12 x D multicore cables, D – overall diameter
Max. permissible tensile stress with cable grip for AL-conductor:	30 N/mm ²

FIRE PERFORMANCE

▪ Flame retardant:	EN 60332-1-2
▪ CPR – class reaction to fire (acc EN 50575):	Eca

APPLICATIONS

XLPE insulated and PVC sheathed power and auxiliary control cables for the supply of electrical energy. Special for installations in the open air, in underground and water, indoors, in cable ducts.	
Standard length cable packing	1000m on drums. Other forms of packing and delivery are available on request

TFXP 4G MK-06-03-2019
Replace TFXP 4G GK-20-01-2015

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Number and cross-sectional area of conductor	Minimum number of wires in conductor	Nominal thickness of insulation	Nominal thickness of PE inner sheath	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
n x mm ²	n	mm	mm	mm	mm	kg/km	Ω/km
4x25	6	0,9	1,5	1,4	24,6	589	1,20
4x50	6	1,0	1,7	1,4	28,5	944	0,641
4x95	15	1,1	2,0	1,5	36,6	1661	0,320
4x150	15	1,4	2,0	1,6	47,4	2563	0,206
4x240	30	1,7	2,0	1,8	54,3	3838	0,125



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