


EnergyCore 300/500V - high flex
12x 2.5 mm² + 2x 2.5 mm² (PE) - PVC

- for mobile indoor and outdoor use acc. to DIN 15765
- highly flexible and robust PVC outer jacket - UV resistant
- conductor acc. to IEC 60228, class 6
- fine stranded bare copper wires acc. to EN 13602
- very short length of core twisting
- low temperature flexible down to -30°C
- flame retardant acc. to IEC 60332-1-2

PVC

36
2.5

new

The EC1-1225G5 Energy Multicore was specially developed for mobile indoor and outdoor event, production and media applications in accordance with DIN 15765. Equipped with 12 x 2.5 mm² power cores and 2 x 2.5 mm² PE protective conductors in accordance with IEC 60228 (class 6) with a short strand lay length, this cable offers maximum performance and safety. The cores are made of finely stranded, bare copper in accordance with EN 13602 with a copper purity of over 99.95%, which ensures excellent conductivity. The specially modified, UV-resistant PVC outer jacket ensures thermal stability and high flexibility at the same time - even at extreme temperatures of up to -30°C. The EC1-1225G5 Energy Multicore is the ideal solution for demanding applications where both performance and flexibility are required.

design

cond. construction	stranded bare copper, fine-wired acc. to EN 13602
cond. cross section	12x 2.5 mm ² + 2x 2.5 mm ² (PE)
core insulation	PVC, low-temperature-flexible down to -30 °C, Shore hardness A85, Y12 according to VDE 0207, part 4 (z)-stranding with short length of twist
twisting	
outer jacket	PVC, low-temperature-flexible down to -30 °C, Shore hardness A72, TM4 (EN50363-4-1), UV-resistant

electric

rated voltage	300 / 500 V
test voltage	2000 VAC
conductor resistance	< 7.98 Ω/km

mechanics

min. bending radius	
installed	5x overall diameter
mobile use	10x overall diameter
temperature range	
installed	-30°C / +70°C
mobile use	-30°C / +70°C
flame retardancy	acc. to IEC 60332-1-2

order code	no. of cores x cross section	outer Ø mm	cable color	weight kg/m
EC1-1225G5	12x 2.5 mm ² + 2x 2.5 mm ² (PE)	19,8	black	0,61

technical specifications are subject to change