

TECHNICAL SALES BULLETIN

CSG Cable Data Sheet

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Distribution Regions: All regions

Product Relevance: PC, EC

For use by: Consultants, Distributors, Contractors and End Users.

Application

NYJ, NYO are cables with an insulation and an outer sheathing of PVC. They are used for fixed installation in dry or damp rooms as well as outdoors, underground and under water. Multicore cables have a common core covering over the twisted cores or a filler.

Design

Design	acc. to DIN VDE 0276-603 (VDE 0276-603) (for 1 to 5 cores) DIN VDE 0276-627 (VDE 0276-627) (as from 7 cores)
Conductor	Round, single- or multi-wire, Strands of copper acc. To IEC 60228 resp. VDE 0295, class 1
Insulation	PVC compound DIV4 acc. To DIN VDE 0276-603 (VDE 0276-603)
Core identification code	up to 5 cores: colour coded acc. to DIN VDE 0293-308 (VDE 0293-308) from 6 cores: black with white numbers
Outer sheath	PVC compound DMV5 acc. to DIN VDE 0276-603 (VDE 0276-603) colour: black

Electrical properties at 20°C

Rated voltage	U_0/U : 600/1000 V max. 1.8 kV (DC voltage core-ground)
Test voltage	4000 V AC

Mechanical and thermal properties

Minimum bending radius	single core: 15 x outer diameter multi core: 12 x outer diameter
Temperature range	during installation: -5 °C up to +50 °C max. conductor temperature fixed installation: -40 °C up to +70 °C max. conductor temperature
Flammability	flame retardant acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2
General requirements	These cables conform to the EU Directive 2014/35/EU (Low Voltage Directive)
Environmental information	These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS)