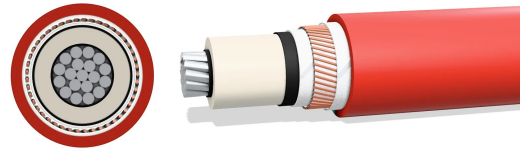


Application

EAXeCGB is a single-core medium-voltage distribution cable for the Belgian distribution grid to HD 620 S3:2023 section 10-B: an aluminium conductor, cross-linked polyethylene (XLPE) insulation, a copper wire screen (CWS) with copper counter-helix and a flame-retardant halogen-free (HFFR) outer sheath. It is the halogen-free version of EAXeCWB: the 'e' denotes the longitudinally watertight metallic screen and the 'G' the halogen-free outer sheath, where EAXeCWB has a polyethylene ('W') sheath. It is broadly comparable to but not identical with the German/Dutch NA2XS(F)2Y, which is specified in section 10-C of the same HD 620 (VDE 0276-620). EAXeCGB is supplied to order for the 8.7/15, 12/20, 18/30 and 20.8/36 kV voltage classes; dimensions and weights are given per order.



CONSTRUCTION

Conductor	Round stranded (RM) aluminium, class 2 acc. to IEC 60228.
Conductor screen	Extruded semi-conductive cross-linked compound over the conductor.
Insulation	Cross-linked polyethylene (XLPE) acc. to HD 620 S3:2023; nominal wall per voltage class as for EAXeCWB (4.5 mm at 8.7/15 kV, 5.5 mm at 12/20 kV, 8.0 mm at 18/30 kV, 8.8 mm at 20.8/36 kV).
Insulation screen	Extruded semi-conductive cross-linked compound.
Metallic screen	Copper wire screen (CWS) with a copper counter-helix tape, made longitudinally watertight (the 'e' in the designation) by swellable water-blocking tapes.
Outer sheath	Flame-retardant halogen-free (HFFR) compound, red.

ELECTRICAL & THERMAL PROPERTIES

Voltage classes U_o/U (Um)	8.7/15 (17.5) kV, 12/20 (24) kV, 18/30 (36) kV and 20.8/36 (42) kV, to order.
Standard	HD 620 S3:2023 section 10-B (Belgian types); IEC 60502-2 for 8.7/15 to 18/30 kV. Conductor IEC 60228.
Conductor	Aluminium, round stranded class 2 (RM) acc. to IEC 60228.
Metallic screen	Copper wire screen with copper counter-helix; longitudinally watertight (e).
Max. conductor temperature	+90 °C (continuous, XLPE).
Reaction to fire (CPR)	No product-specific Euroclass is published for this type. The CPR (EN 50575) makes no distinction by rated voltage, so MV cables fall within its scope. The Declaration of Performance for the version supplied is available from Q Cables on request.

DIMENSIONS & WEIGHTS

EAXeCGB is made to order. Outer diameters, weights and the copper screen cross-section per size and voltage class are available from Q Cables on request. The halogen-free sheath compound is heavier than polyethylene, so the weights of the PE-sheathed EAXeCWB do not apply.