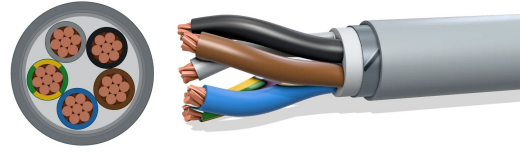


Application

XFVB is the armoured version of the Belgian XVB installation cable to NBN HD 604 for 0.6/1 kV circuits that need mechanical protection.

The copper conductors are insulated with cross-linked polyethylene (XLPE), assembled with a PVC bedding (common core covering), surrounded by copper earth wires, protected by a double steel-tape

armour and finished with a grey, flame-retardant PVC outer sheath. The steel-tape armour resists crushing and impact, so XFVB suits industrial floors, cable basements, ducts and locations with a risk of mechanical damage. It carries CPR reaction-to-fire class Cca-s3,d2,a3. Where a halogen-free armoured cable is required, the LSZH sibling XFGB is used.



CONSTRUCTION

Conductor	Plain annealed copper, solid class 1 (RE) or stranded class 2 (RM) acc. to IEC 60228.
Insulation	Cross-linked polyethylene (XLPE), 90 °C rated.
Core identification	Coloured cores acc. to HD 308 S2, with or without green/yellow earth.
Bedding	PVC common core covering.
Protective circuit	Copper earth wires under the steel tape armour; geometric cross-section equal to the phase conductor cross-section, with a maximum of 16 mm ² . May be used as earth conductor.
Armour	Double steel tape (STA), applied helically.
Outer sheath	Flame-retardant PVC (polyvinyl chloride), grey.

ELECTRICAL & THERMAL PROPERTIES

Rated voltage U₀/U	0.6/1 kV.
Test voltage	3.5 kV AC.
Standard	NBN HD 604 (armoured XVB); conductor acc. to IEC 60228.
Reaction to fire (CPR)	Class Cca-s3,d2,a3 acc. to EN 50575 / EN 13501-6.
Flame-retardant	Acc. to IEC 60332-1-2.
Armour	Double steel tape (STA), mechanical protection.
Max. conductor temperature	+90 °C (short circuit +250 °C, max. 5 s).
Permitted ambient temperature, fixed	-15 °C to +60 °C; min. laying temperature 0 °C.
Min. bending radius, fixed	12 × overall diameter.

DIMENSIONS & TECHNICAL DATA

Cores × mm ²	Cond. R @20°C (Ω/km)	Nominal O.D. (mm)	Weight (kg/km)
2 × 1.5	12.1	11.5	220
3 × 1.5	12.1	12	240
4 × 1.5	12.1	12.5	265
5 × 1.5	12.1	13.5	305
7 × 1.5	12.1	14.5	350
2 × 2.5	7.41	12.5	265
3 × 2.5	7.41	13	290
4 × 2.5	7.41	13.5	335
5 × 2.5	7.41	14.5	385
7 × 2.5	7.41	15.5	450
2 × 4	4.61	13	325
3 × 4	4.61	14	370
4 × 4	4.61	14.5	430
5 × 4	4.61	16	500
2 × 6	3.08	14	410
3 × 6	3.08	15	475
4 × 6	3.08	16	555
5 × 6	3.08	17	640
2 × 10	1.83	16	570
3 × 10	1.83	16.5	665
4 × 10	1.83	18	775
2 × 16	1.15	18.5	800
3 × 16	1.15	20	965
4 × 16	1.15	22	1150
2 × 25	0.727	22	1110
3 × 25	0.727	24	1340
4 × 25	0.727	26	1665

Outer diameters and weights are nominal values of the leading Belgian reference source; conductor resistances are the IEC 60228 class 1/2 maxima at 20 °C. The armour is double steel tape (STA). All values are indicative and non-binding.