

TECHNICAL DATA SHEET	code	BE43041
	--DRAFT--	version 3
		date 2005-11-02
	RIBBONCBL 450/750V 90C 3X1.5MM2/1.4B	page 1/2

Application

General according to Cenelec HD 516.

The maximum conductor temperature shall not exceed 90°C.

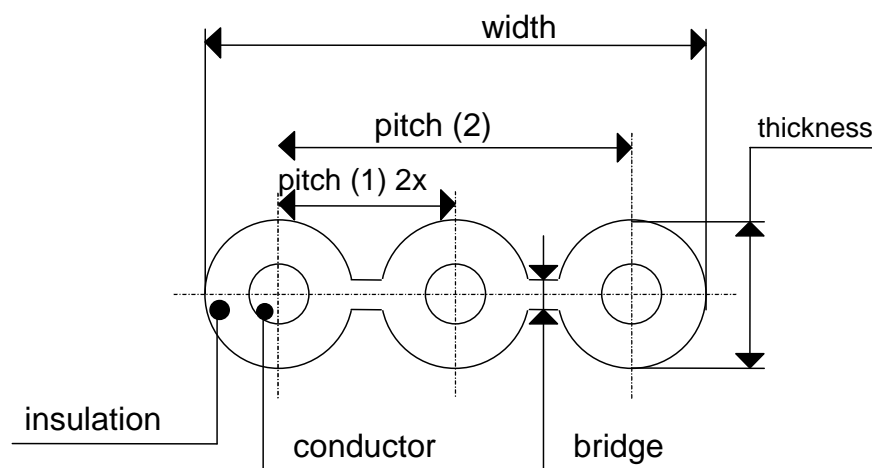
Application: Internal interconnection of T.L. lighting devices

Construction

This construction is based on Cenelec HD 21.7. (H07V2-U) "Single core non-sheathed cables for internal wiring for a conductor temperature of 90°C".

Requirements and test methods are according to this standard.

A number of wires are parallel extruded in the shape of a ribbon cable



Conductor

Material	Solid, annealed, bare, copper wire.
Nominal diameter	1.40 mm
Insulation	Polyvinylchloride type TI3.
Thickness min	0.53 mm
Thickness mean	0.7 mm

Cable

Number of conductors	3
Assembly	Conductors insulated in the shape of a ribbon cable.
Thickness	2.87 ± 0.15 mm
Width	12.87 ± 0.30 mm
Pitch (1)	5.0 ± 0.20 mm
Pitch (2)	10 ± 0.2 mm
Bridge thickness	0.8 ± 0.2 mm

Requirements and test methods

Electrical

Conductor resistance at 20°C	$\leq 12.1 \Omega/\text{km}$
Insulation resistance at 90°C	$\geq 11 \text{ M}\Omega\text{m}$
Dielectric strength test of the	2500 Vac

