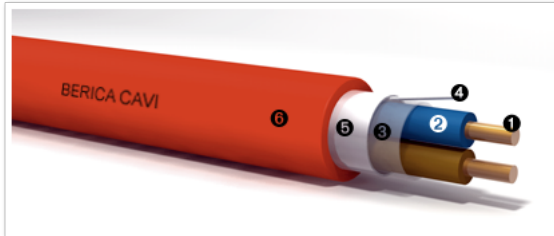


BERICA CAVI

EUROSAFE SCREENED 300/500 V (FE180) (PH120)

Power, signal and command cables, Al/Pet tape screen, fire resistant, fire retardant, halogen free.



1. Conductor
2. Insulation
3. Assembling
4. Drain wire
5. Screen
6. Sheath

APPLICATION: Suitable for the transport of energy and the transmission of signals and controls for electrical equipment when you need maximum security against fire, such as emergency lighting and alarm systems, automatic fire detection, fire extinguishing equipment, automatic opening doors, ventilation systems and conditioning, emergency telephone systems.

INSTALLATION: For fixed indoor installation in dry or wet environments and temporarily outdoor. They can be installed on platforms, pipes, conduits and similar systems.

FEATURES	DESCRIPTION	STANDARDS
Conductors :	annealed red copper cl.1	CEI EN 60228 (Tab. 9)
Insulation :	ceramifiable silicone rubber	
Cores colour :		CEI UNEL 00722 - HD 308
Assembling :	Pet tape	
Drain wire :	annealed tinned copper	
Screen :	Al/Pet tape thickness 9/23 µm covering >110%	
Sheath :	LSZH compound, M1 quality	CEI EN 50363
Sheath colour :	red RAL 3000	
Fire retardant :		CEI EN 60332-3-24
Flame retardant :		CEI EN 60332-1-2
Halogen free :	(< 0,5 mg/g - 0,5%)	CEI EN 50267-2-1/2 - IEC 60754-1/2
Low smoke emission :	(transmittance > 60%)	CEI EN 61034-2
Fire resistant :	duration 120 min. at temperature of 830 °C (- 0 ÷ + 40 °C)	CEI EN 50200

Fire resistant : cat. C (3h at 950°C) **BERICA CAVI** BS 6874 Cat CWZ

Fire resistant : duration 180 min. at IEC 60331-21 VDE
temperature of 750 °C 472-814
(FE180)

DC resistance : according to CEI EN 60228 ([Tab. 9](#)
)

Rated voltage 300/500 V
U₀/U:

Max voltage : 550 V

Testing voltage : 2 kV

Max working temperature : 90 °C

Max conductor temperature : 180 °C

Short-circuit temperature : 350 °C

Min. installation temperature : 0 °C

Bending radius : Ø x 8

Printing : EUROSAFE FE 180 Type
SC REENED300/500 V BS
6387 CWZ CEI EN 50200
PH(120) IEC 60332-3-24
CE Year/Lot

TYPE	MEDIUM Ø OUTER	MEDIUM WEIGHT	PRODUCT CODE
	mm	kg/km	
N° x mm ²			
2x0,50	5,6	36	B7302080S
2X0,75	6,1	49	B7302075S
3x0,75	6,7	65	B7303075S
4x0,75	7,2	79	B7304075S
6x0,75	8,4	107	B7306075S
2x1	6,7	58	B7302100S
3x1	7,1	74	B7303100S
4x1	7,7	91	B7304100S
2x1,5	8,1	82	B7302150S
3x1,5	8,6	107	B7303150S
4x1,5	9,4	133	B7304150S
5x1,5	10,2	159	B7305150S
2x2,5	8,9	107	B7302250S
3x2,5	9,5	142	B7303250S
4x2,5	10,3	179	B7304250S
5x2,5	11,3	217	B7305250S

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