



Physical Characteristics

A. Inner conductor	Materials	Construction
Solid soft annealed copper	Cu	AWG20
Construction		2x2xAWG20 + 2xAWG20
B. Insulation material		
Polyethylene	PE	
Coloring insulation	Blue/White-Blue – Orange/White-Orange – Green/White-Green – Brown/White-Brown	
C. Binding tape		
Polyester tape	PET	
D. Sheath		
External insulation and color	See table below	
Minimum bending radius	5 times overall diameter	
Storage and operating temperature range	-20°C to +60°C	

Item	Construction	DC Resistance Ω /Km	Weight Kg/Km	Outer diameter mm	Sheath color and Material	Fire reaction classification
HDIP 3220	2x2xAWG20 + 2xAWG20	34,3 ± 1,7	54,5	6,67 ± 0,10	Green LSZH	Eca
HDIP 3220 C	2x2xAWG20 + 2xAWG20	34,3 ± 1,7	60,1	7,00 ± 0,10	Green LSZH	Cca s1b, d1, a1
HDIP 3220 DG	2x2xAWG20 + 2xAWG20	34,3 ± 1,7	74,0	8,40 ± 0,20	Green LSZH + black PE	Fca

Electrical characteristics

DC resistance	34,3 ± 1,7 Ω /km
Capacitance	53 ± 3 pF/m
Velocity ratio	68 %
Dielectric spark test	4 kVdc
Sheath spark test	2 kVdc

Condition of installation

Suitable for protected fixed installation in surface mounted or recessed ducts or similar enclosed systems. They can be installed in a single duct or channel or walkway without the interposition of separating walls.

Cable produced in compliance with the CEI UNEL 36762 standard, therefore suitable for laying in the same conduit with circuits of electrical systems with nominal voltage to earth up to 400 V, typically 230/400 V power systems.

Rated voltage: Cable for systems cat. 0, rated operating voltage not exceeding 50 V in alternating current and 120 V in direct current (not waved).

Ref. CPR UE 305/11 Fire reaction classification

Communication cable for long distance IP systems with particular fire reaction characteristics compliant with the Construction Products Regulation (CPR).

Reaction to fire classification: See reference product code in the box above to identify the relevant reaction to fire class.

Packaging

Type	Lengths	Description
SF200	200 m \pm 2%	Shrink foil roll
WR500	500 m \pm 2%	Wooden reel

European Directive Compliance: EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

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