



## CHARACTERISTICS

- :: Low water absorption.
- :: Flame retardant: UNE-EN-60332-1y2; IEC-60332-1y2; NFC 32070-C2.
- :: Working temperature (fixed installation): -25°C, +70°C.
- :: AC 2,000 V test: 5 minutes.
- :: Mineral oil resistant.
- :: According to UNE 21031-5; HD 21.5 S3; CEI 60227-5.
- :: Working voltage: 300/500V.

## DESIGN

### [CONDUCTOR]

- :: Annealed electrolytic copper.
- :: Class 5, according to UNE-EN-60228 (IEC-60228).
- :: 70°C in good condition continuous, 160°C in short circuit.

### [INSULATION]

- :: Mixture of polivinyll chloride (PVC), type T12, S/UNE-21031-1.
- :: Colours: S/UNE-21089-1, (HD-308 S2), with conductor A/V up to 5 conductors. S/UNE-EN-50334, numbered black + A/V for more than 5 conductors.

### [OUTER SHEATH]

∴ Mixture of polyvinyl chloride (PVC), type TM5, S/UNE-21031-1.

**[APPLICATIONS]**

∴ Suitable multiconductive cable for the connection of signal wirings, control and measurement in machines tools, machines portables and industrial teams in general. The special vinyl compound sheath is particularly resistant to the mineral oil and other similar chemical agents.

**DIMENSIONAL CHARACTERISTICS**

Wire N <sup>o</sup> xS (mm <sup>2</sup> )	Insulation thickness (mm)	Outer sheath thickness (mm)	Aprox. overall diameter (mm)	(Kg/Km) – Aprox. Height (Kg/Km)	Max. Resistance of Conductor at 20°C/(Km)	Intensity		Voltage drop	
						Outdoor   Underground	1   0.8		
2x0.5	0.60	0.70	5.60	0.0443	39.0000	0.00	0.00	0.00	0.00
3x0.5	0.60	0.70	5.90	0.0524	39.0000	0.00	0.00	0.00	0.00
4x0.5	0.60	0.80	6.70	0.0665	39.0000	0.00	0.00	0.00	0.00
5x0.5	0.60	0.80	7.30	0.0779	39.0000	0.00	0.00	0.00	0.00
6X0.5	0.60	0.90	8.10	0.0934	39.0000	0.00	0.00	0.00	0.00
7X0.5	0.60	0.90	8.10	0.1030	39.0000	0.00	0.00	0.00	0.00
12X0.5	0.60	1.10	10.90	0.1710	39.0000	0.00	0.00	0.00	0.00
18X0.5	0.60	1.20	12.90	0.2430	39.0000	0.00	0.00	0.00	0.00
27X0.5	0.60	1.40	15.70	0.3560	39.0000	0.00	0.00	0.00	0.00
36X0.5	0.60	1.50	17.70	0.4590	39.0000	0.00	0.00	0.00	0.00
48X0.5	0.60	1.70	20.50	0.6060	39.0000	0.00	0.00	0.00	0.00
60X0.5	0.60	1.80	22.50	0.7420	39.0000	0.00	0.00	0.00	0.00
2x0.75	0.60	0.80	6.20	0.0563	26.0000	0.00	0.00	0.00	0.00
3x0.75	0.60	0.80	6.50	0.0671	26.0000	0.00	0.00	0.00	0.00
4x0.75	0.60	0.80	7.10	0.0810	26.0000	0.00	0.00	0.00	0.00
5x0.75	0.60	0.90	8.00	0.0997	26.0000	0.00	0.00	0.00	0.00
6X0.75	0.60	0.90	8.70	0.1160	26.0000	0.00	0.00	0.00	0.00
7X0.75	0.60	1.00	8.90	0.1320	26.0000	0.00	0.00	0.00	0.00
12X0.75	0.60	1.10	11.70	0.2130	26.0000	0.00	0.00	0.00	0.00
18X0.75	0.60	1.30	14.10	0.3110	26.0000	0.00	0.00	0.00	0.00
27X0.75	0.60	1.50	17.10	0.4540	26.0000	0.00	0.00	0.00	0.00
36X0.75	0.60	1.60	19.30	0.5870	26.0000	0.00	0.00	0.00	0.00
48X0.75	0.60	1.80	22.30	0.7750	26.0000	0.00	0.00	0.00	0.00
60X0.75	0.60	2.00	24.70	0.9620	26.0000	0.00	0.00	0.00	0.00
2x1	0.60	0.80	6.60	0.0658	19.5000	0.00	0.00	0.00	0.00
3x1	0.60	0.80	7.00	0.0798	19.5000	0.00	0.00	0.00	0.00
4X1	0.60	0.80	7.60	0.0964	19.5000	0.00	0.00	0.00	0.00
5X1	0.60	0.90	8.60	0.1190	19.5000	0.00	0.00	0.00	0.00
6X1	0.60	1.00	9.50	0.1420	19.5000	0.00	0.00	0.00	0.00
7X1	0.60	1.00	9.50	0.1570	19.5000	0.00	0.00	0.00	0.00
12x1	0.60	1.20	12.80	0.2620	19.5000	0.00	0.00	0.00	0.00
18x1	0.60	1.30	15.10	0.3730	19.5000	0.00	0.00	0.00	0.00
27x1	0.60	1.50	18.40	0.5460	19.5000	0.00	0.00	0.00	0.00
36x1	0.60	1.70	20.90	0.7170	19.5000	0.00	0.00	0.00	0.00
48X1	0.60	1.90	24.20	0.9470	19.5000	0.00	0.00	0.00	0.00
60X1	0.60	2.10	26.70	1.1730	19.5000	0.00	0.00	0.00	0.00
2x1.5	0.70	0.80	7.40	0.0847	13.3000	0.00	0.00	0.00	0.00
3x1.5	0.70	0.90	8.00	0.1070	13.3000	0.00	0.00	0.00	0.00
4x1.5	0.70	0.90	9.00	0.1350	13.3000	0.00	0.00	0.00	0.00
5x1.5	0.70	1.00	9.80	0.1590	13.3000	0.00	0.00	0.00	0.00
6x1.5	0.70	1.10	10.90	0.1900	13.3000	0.00	0.00	0.00	0.00
7x1.5	0.70	1.20	11.10	0.2150	13.3000	0.00	0.00	0.00	0.00
12x1.5	0.70	1.30	14.60	0.3490	13.3000	0.00	0.00	0.00	0.00
18x1.5	0.70	1.50	17.50	0.5060	13.3000	0.00	0.00	0.00	0.00
27x1.5	0.70	1.80	21.40	0.7480	13.3000	0.00	0.00	0.00	0.00

36x1.5	0.70	2.00	24.30	0.9770	13.3000	0.00	0.00	0.00	0.00
48X1.5	0.70	2.20	28.00	1.2860	13.3000	0.00	0.00	0.00	0.00
60X1.5	0.70	2.40	29.10	1.4810	13.3000	0.00	0.00	0.00	0.00
2x2.5	0.80	0.90	9.00	0.1300	7.9800	0.00	0.00	0.00	0.00
3x2.5	0.80	1.00	9.70	0.1640	7.9800	0.00	0.00	0.00	0.00
4x2.5	0.80	1.10	10.90	0.2060	7.9800	0.00	0.00	0.00	0.00
5x2.5	0.80	1.10	11.90	0.2450	7.9800	0.00	0.00	0.00	0.00
6x2.5	0.80	1.20	13.20	0.2910	7.9800	0.00	0.00	0.00	0.00
7x2.5	0.80	1.30	13.40	0.3310	7.9800	0.00	0.00	0.00	0.00
12x2.5	0.80	1.50	17.90	0.5460	7.9800	0.00	0.00	0.00	0.00
18x2.5	0.80	1.80	21.60	0.8010	7.9800	0.00	0.00	0.00	0.00
27x2.5	0.80	2.10	26.30	1.1780	7.9800	0.00	0.00	0.00	0.00
36x2.5	0.80	2.30	29.80	1.5370	7.9800	0.00	0.00	0.00	0.00
48x2.5	0.80	2.40	34.10	2.0030	7.9800	0.00	0.00	0.00	0.00
60x2.5	0.80	2.40	37.20	2.4420	7.9800	0.00	0.00	0.00	0.00