

Leitungen nach ausländischen Normen / Cables according to foreign standards

FROH2R

Flexible PVC insulated cable with PVC sheath, suited for control with a copper braid shield fire retardant, emitting a low quantity of corrosive gas.
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Verwendung:

This cable is suitable for connections and movable equipments where performances and entertainment take place. It can be laid inside, even in dry or wet environments (AD2) or outside but only for a temporary use. The main feature of this cable is its protection against electromagnetic interference thanks to its copper braid. Its lay under plaster or directly buried, even if protected, is not allowed. A system exercise voltage can always overflow the 10% of its standard voltage.

[INDEX:20201001SQ]

Aufbau:

- Insulation: PVC Insulation in TI2 quality
- Sheath: PVS sheath in TM2 quality
- Polyester paper
- Shield made up of a copper wires braid SH
- flexible conductor, class 5 copper made
- Core colours multicores: black with numbers and Y/G
- Standards: IMQ-CPT-007 CEI 20-20/1 CEI 20-22 II CEI EN 60332-1-2 CEI EN 50267-2-1

Technische Daten:

Leiter Werkstoff	Kupfer
Leiterklasse	Klasse 5
Aderisolationwerkstoff	PVC, TI2
Aderkennung	Multicores: black with numbers and Y/G
Verseilung	
Außenmantelwerkstoff	PVC, TM2
Mantelfarbe	Light grey RAL 7035
Nennspannung [V]	300 / 500
Prüfspannung [V]	2000
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	
kleinster Biegeradius fest [xd]	8x d
kleinster Biegeradius bewegt [xd]	8x d
Betriebstemp. fest min/max [C]	
Betriebstemp. bew. min/mac [C]	-15°C bis +70
Temperatur am Leiter max.	
Brandverhalten	Flame propagation: CEI EN 60332-1-2 Fire Propagation CEI 20-22 II Gas emission: CEI EN 50267-2-1
Normen	

Application:

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Technical Data:

Conductor Material	Copper
Conductor class	Class 5
core insulation	PVC, TI2
core identification	Multicores: black with numbers and Y/G
stranding	*
outer sheath	PVC, TM2
sheath colour	Light grey RAL 7035
rated voltage [V]	300 / 500
testing voltage [V]	2000
conductor resistance	*
insulation resistance	*
current carrying capacity	*
min. bending radius fixed [xd]	8x d
min. bending radius moved [xd]	8x d
working temp fixed min/max [C]	*
working temp moved min/mac [C]	-15°C up to +70
temp at conductor max.	*
burning behaviour	Flame propagation: CEI EN 60332-1-2 Fire Propagation CEI 20-22 II Gas emission: CEI EN 50267-2-1
Approvals	*

Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	2 x 0.50	5.25	0.00	4.00
	2 x 0.75	5.65	0.00	4.50
	2 x 1	6.35	0.00	5.00
	2 x 1.50	7.15	0.00	7.00
	2 x 1.50	7.15	0.00	7.00
	2 x 2.50	8.35	0.00	9.50
	3 x 0.50	5.50	0.00	4.50
	3 x 0.75	5.95	0.00	5.50
	3 x 1	6.70	0.00	6.50
	3 x 1.50	7.55	0.00	8.50
	3 x 1.50	7.55	0.00	8.50
	3 x 2.50	8.80	0.00	12.00
	4 x 0.50	5.95	0.00	5.50
	4 x 0.75	6.50	0.00	7.00
	4 x 1	7.55	0.00	8.50
	4 x 1.50	8.15	0.00	10.50
	4 x 1.50	8.15	0.00	10.50
	4 x 2.50	9.80	0.00	15.00
	5 x 0.50	6.40	0.00	6.50
	5 x 0.75	7.25	0.00	8.50
	5 x 1	8.20	0.00	10.50
	5 x 1.50	8.85	0.00	13.00
	5 x 1.50	8.85	0.00	13.00
	5 x 2.50	11.05	0.00	20.00
	6 x 0.50	7.20	0.00	8.50
	6 x 0.75	7.80	0.00	10.00
	6 x 1	8.85	0.00	12.00
	6 x 1.50	9.80	0.00	15.50
	6 x 2.50	11.95	0.00	23.00
	7 x 1	9.05	0.00	13.00
	7 x 0.50	7.20	0.00	9.00
	7 x 0.75	7.80	0.00	10.50
	7 x 1.50	9.80	0.00	16.00
	7 x 2.50	11.95	0.00	24.50
	8 x 0.50	8.20	0.00	11.00
	8 x 0.75	8.95	0.00	13.50

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	8 x 1	10.55	0.00	17.50
	8 x 1.50	11.65	0.00	22.00
	8 x 2.50	14.00	0.00	31.50
	10 x 1	11.60	0.00	19.00
	10 x 0.50	8.85	0.00	12.00
	10 x 0.75	8.85	0.00	15.00
	10 x 1.50	12.60	0.00	24.00
	10 x 2.50	25.45	0.00	35.00
	12 x 1	11.95	0.00	21.50
	12 x 0.50	9.30	0.00	14.00
	12 x 0.75	10.30	0.00	18.00
	12 x 1.50	13.00	0.00	27.00
	12 x 2.50	16.35	0.00	43.00
	14 x 1	12.50	0.00	24.50
	14 x 0.50	9.75	0.00	15.50
	14 x 0.75	10.75	0.00	20.00
	14 x 1.50	13.60	0.00	30.50
	14 x 2.50	17.15	0.00	48.50
	16 x 1	13.15	0.00	27.50
	16 x 0.50	10.35	0.00	18.50
	16 x 0.75	11.30	0.00	22.00
	16 x 1.50	14.50	0.00	35.00
	16 x 2.50	18.05	0.00	54.50
	18 x 0.50	10.65	0.00	20.00
	18 x 0.75	11.80	0.00	25.00
	18 x 1	13.70	0.00	30.50
	18 x 1.50	15.15	0.00	39.00
	18 x 2.50	18.55	0.00	60.00
	19 x 1	16.60	0.00	36.80
	19 x 1.50	18.80	0.00	44.90
	19 x 2.50	22.00	0.00	59.40
	20 x 0.50	11.55	0.00	22.50
	20 x 0.75	12.60	0.00	28.06
	20 x 1	14.65	0.00	33.50
	20 x 1.50	16.50	0.00	46.00
	20 x 2.50	20.35	0.00	70.00

Kontakt:

Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	24 x 1	16.90	0.00	42.50
	24 x 0.50	12.70	0.00	26.00
	24 x 0.75	13.90	0.00	31.50
	24 x 1.50	18.40	0.00	53.00
	24 x 2.50	22.45	0.00	79.00