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Datasheet

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Stock No: 827- 4265

RS Pro 3 Core YY Control Cable Unscreened Polyvinyl Chloride PVC Sheath



11.7mm OD, 6 mm² CSA, 9 AWG

RS Pro YY Control Cable

YY number coded cables are VDE approved connecting and control cables for flexible use and fixed installation for medium mechanical use. They are for use in dry, damp and wet rooms. They may only be installed outdoors with UV protection and in observation of the temperature range. At room temperature it is generally resistant against, acids, caustics solutions and certain oils. YY cables are used as supply and interconnecting cable for controlling machine tools, production lines, control equipment on conveyors, also for use in measuring regulating and computer units.

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Technical data

Conductor	bare copper, fine wire strand in accordance to IEC 60 228 that is VDE 0295, class 5
Core insulation	PVC compound TI1 in accordance to VDE 0207
Identification	in acc. to VDE 0293, black cores with white numbers with or without green/yellow ground conductor
Outer sheath	PVC compound TM2 in acc. to VDE 0207
Nominal voltage	300/500 V
Test voltage	4000 V AC
Temp. range	for flexible use -5 up to +70°C max. conductor temperature fixed installation -40 up to +80°C max. conductor temperature
Min. bending radius	flex. use 15 x cable diameter fixed installation 4 x cable diameter
Flame retardant	in acc. to IEC 60 332.1 resp. VDE 0472 part 804
Approvals	VDE – Reg. No. 7030
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).

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Specification:

Part Number	No. Cores x Cross Sectional Area (mm^2)	Outer Diameter (mm)	Weight Kg/Km
8274234	YY 2x0.5	4.8	35
8274252	YY 3G0.5	5.1	42
8274268	YY 4G0.5	5.7	54
8274274	YY 5G0.5	6.2	63
8274293	YY 7G0.5	6.7	81
8274300	YY 12G0.5	8.9	131
8274307	YY 18G0.5	10.5	188
8274319	YY 25G0.5	12.4	261
8274243	YY 2G0.75	5.4	45
8274278	YY 5G0.75	6.7	79
8274296	YY 7G0.75	7.3	101
8274313	YY 25G0.75	13.8	337
8274246	YY 2x1.0	5.7	53
8274287	YY 5G1.0	7.1	94
8274290	YY 7G1.0	8.0	126
8274303	YY 12G1.0	10.5	205
8274316	YY 18G1.0	12.7	320
8274322	YY 25G1.0	14.7	408
8274240	YY 2x1.5	6.3	68
8274325	YY 25G1.5	16.9	560
8274259	YY 2x2.5	7.5	101
8274329	YY 25G2.5	20.8	890
8274256	YY 3G4.0	9.9	201
8274262	YY 4G4.0	10.8	249
8274280	YY 5G4.0	12.1	294
8274265	YY 3G6.0	11.7	289
8274271	YY 4G6.0	13.0	365
8274284	YY 5G6.0	14.5	447