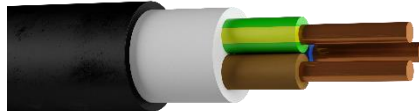


## E-YY vieladrig 0,6/1 kV - Multicore signal cables with PVC insulation and PVC outersheath



### Application

Outdoor application, protected from solar radiation. Direct buried, in trench or in ducts.

### Global data

Type designation	E-YY
Standard	E 8200-603
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP-Code: see data table below DoP: see <a href="http://www.prysmiangroup.com/cpr">www.prysmiangroup.com/cpr</a>

### Design features

Conductor material	Copper
Insulation	PVC
Inner covering (filling)	Extruded inner covering
Outer sheath	PVC
Outer sheath color	Black
Marking example	PRYSMIAN E-YY-J 19 x 2,5 RE 0,6/1 kV (year) (metric)

### Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
AC test voltage	4 kV

### Chemical parameters

Performance against fire	EN 60332-1
Lead free	Yes

### Thermal parameters

Max. permissible temp. at conductor	70 °C
Max. short circuit temperature at conductor	160 °C ( $\leq 300 \text{ mm}^2$ ); 140 °C ( $300 \text{ mm}^2 <$ )
Min. temperature at installation	-5 °C

### Mechanical parameters

Min. bending radius at inst.	12xD
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## ELECTRICAL & DIMENSIONAL DATA

No. of cores x cross section (mm <sup>2</sup> )	Insulation thickness nom. (mm)	Cable outer diameter nom. (mm)	Cable weight approx. (Kg/Km)	Bending radius min. (mm)	Max. Electrical resistance in DC, 20°C (Ω/km)	Electrical load in ground (A)	Electrical load in air (A)	Max tensile forces (kN)
<b>E-YY-O</b>								
2x1,5	0,8	9,0	125	108	12,1	32	20	0,15
2x2,5	0,8	10,0	160	120	7,41	42	27	0,25
2x4	1,0	11,5	230	138	4,61	54	37	0,4
2x6	1,0	13,0	300	156	3,08	68	48	0,6
2x10	1,0	16,0	475	192	1,83	90	66	1,0
2x16	1,0	18,0	645	216	1,15	116	89	1,6
<b>E-YY-J / E-YY-O</b>								
3x1,5	0,80	9,5	145	114	12,10	27	19,5	0,225
3x2,5	0,80	10,5	190	126	7,41	36	25,0	0,375
3x4	1,0	12	275	144	4,61	46	34,0	0,6
3x6	1,0	13,5	365	162	3,08	58	43	0,9
3x10	1,0	16,5	555	198	1,83	78	59	1,5
3x16	1,0	19	795	228	1,15	101	78	2,4
4x1,5	0,80	10,5	175	126	12,10	27	19,5	0,50
4x2,5	0,80	11	225	132	7,41	36	25,0	0,50
4x4	1,0	13	330	156	4,61	46	34,0	0,80
4x6	1,0	15	440	180	3,08	58	43	1,2
4x10	1,0	18	675	216	1,83	78	59	2,0
4x16	1,0	21	1015	252	1,15	101	78	3,2
5x1,5	0,80	11	200	132	12,10	19	14,5	0,375
5x2,5	0,80	12	260	144	7,41	25	19,5	0,625
5x4	1,0	14,5	390	174	4,61	32	25,5	1,0
5x6	1,0	16	520	192	3,08	41	32	1,5
5x10	1,0	19,5	822	234	1,83	55	44	2,5
5x16	1,0	23	1230	276	1,15	71	59	4,0
5x25	1,2	27,5	1860	330	0,727	92	79	6,3
5x35	1,2	30	2420	370	0,524	111	97	8,8
5x50	1,4	35,5	3310	430	0,387	132	118	12,5
5x70	1,4	40,0	4470	480	0,268	162	149	17,5
5x95	1,6	46,5	6160	560	0,193	196	185	23,8

Max. operational temperature of conductor: 70 °C

Short circuit temperature: max. 160 °C

Lowest temperature for installation: -5 °C

**Flame retardant:** Test method according to EN 60332-1-2