Prysmian Group

PRYSMIAN Draka

LINYL®

MMJ 300/500 V

Plastic-sheathed installation cable

RATED VOLTAGE

U_0/U = 300/500 V

APPLICATION

For fixed surface and flush-mounted installations, indoors and outdoors. Also suitable for installation in a slot covered with plaster as specified e.g. in SFS 6000.

- Not suitable for installation directly in ground nor directly in concrete without protective ducting.
- Not for installations subject to electrical interference (see MCCMK and MJAM).
- Direct sunlight (UV) may slightly alter the colour of the sheath.

General guide to use and current carrying capacities according to SFS 6000.

Highest permissible conductor temperature:

• continuous operation	70 °C
• short circuit (duration up to 5 s)	160 °C

Lowest recommended temperature during laying (3): -15 °C

Maximum permissible pulling force from conductor is 50x A N/mm^2.

CONSTRUCTION

Conductor Solid annealed copper wire

Insulation Lead-free PVC compound

Filling sheath Lead-free filling compound

Outer sheath White lead-free LINYL® PVC compound

IDENTIFICATION OF CORES

According to standard HD 308 S2:

2-cores	Blue, brown
3-cores (N)	Brown, black, grey
3-cores (S)	Yellow-green, blue, brown
4-cores (N)	Blue, brown, black, grey
4-cores (S)	Yellow-green,blue, brown, black
5-cores (N)	Blue, brown, black, grey, black
5-cores (S)	Yellow-green, blue, brown, black, grey

STANDARDS

SFS 2091 (2011)
IEC / EN 60332-1

CERTIFICATES, APPROVALS

FI (SGS Fimko)

CE

The cable does not contain any substances on the REACH/SVHC -list

All substances of the cable meet the requirements of RoHS directive.

CUSTOMS CODE

8544 49 91

MMJ 300/500 V

PROPERTIES

PRODUCT NAME		MMJ 2x1,5 N	MMJ 2x2,5 N	MMJ 3x1,5 N	MMJ 3x1,5 S	MMJ 3x2,5 S	MMJ 4x1,5 N	MMJ 4x1,5 S	MMJ 4x2,5 S	MMJ 5x1,5 N	MMJ 5x1,5 S	MMJ 5x2,5 S
STK-code and drum		K7/1000 0456412	K7/1000 0456413	K7/1000 0456422	K7/1000 0456722	K7/1000 0456723	K7/1000 0456432			K7/1000 0456442	K7/1000 0456742	K8/750 0456743
STK-code and drum					K6/500 0456777	K6/500 0456778		K6/500 0456784	K6/500 0456785		K6/500 0456794	K7/500 0456795
STK-code and plastic-drum					K6M/500 0400841	K6M/500 0400842					K6M/500 0400843	K6M/400 0400844
STK-code and spool					PK300 0456772	PK200 0456773		PK250 0456782	PK150 0456756		PK200 0456792	PK150 0456793
STK-code, coils		R100 0406412	R100 0406413	R100 0406422	R100 0406722	R100 0406723	R100 0406432	R100 0406732	R100 0406733	R100 0406442	R100 0406742	
STK-code, coils					R50 0406752	R50 0406753					R50 0406762	R50 0406743
SSTK-code, ProPac					ProPac 50 0406701	Propac 50 0406702					ProPac 50 0406703	Propac 40 0406700
CONSTRUCTION DATA (1)												
Diameter over cable	mm	8,8	10	8,8	8,8	10	10	10	12	11	11	13
Weight	kg/km	100	140	120	120	170	150	150	210	180	180	260
MECHANICAL DATA (2)												
Minimum permissible bending radius during laying	mm	90	100	90	90	100	100	100	120	110	110	130
Minimum permissible bending radius at final installation (3)	mm	30	30	30	30	30	30	30	35	35	35	40
ELECTRICAL DATA (2)												
Maximum DC resistance, conductor 20°C	Ω/km	12,1	7,41	12,1	12,1	7,41	12,1	12,1	7,41	12,1	12,1	7,41
CURRENT RATINGS (2) (4)												
Reference installation type A, e.g. in ducts	A	15	20	15	15	20	14	14	19	14	14	19
Reference installation type C, e.g. on wooden wall	A	20	29	20	20	29	18,5	18,5	25	18,5	18,5	25

(1) Approximate value.
(2) See the basic assumptions at general information of products.
(3) Final installation with careful single bending into final position.
(4) Other installation types, see SFS 6000-5.