

New XLPE insulated cables

Guide for easy replacement



Simplified choice for electrical constructions

Draka Keila Cables has introduced a new line of cables with XLPE insulation. The new cables are more reliable and suitable for our regional climate conditions (minimum handling temperature -15 °C).

This handbook will give you guidance about the new cable markings and the list of cables that can be replaced with XLPE.

Taking care of the Baltics



The headquarter and manufacturing facilities of Draka Keila Cables are located on territory of AS Harju Elekter in Keila, Estonia. Our major markets are Baltic countries. Representative offices have been set up in Riga and Vilnius to ensure proper communication with our customers in Latvia and Lithuania.

Cable manufacturing plant in Keila was established in 1968. Since 2011 Draka Keila Cables AS is a part of Prysmian Group, one of the biggest cable producers in the world that has more than 90 plants and over 100 years of experience and knowledge in cable manufacturing



For fixed surface or flush-mounted installations, indoors and outdoors. Suitable for installation in a slot covered with plaster. Not for installation directly in ground or directly in concrete without protective ducting. Cable needs protection from direct sunlight.

Substitutes: PPJ, MMJ, PPJ Light, NYM and (N)YM



For fixed surface or flush-mounted installations, indoors and outdoors. Suitable for installation in a slot covered with plaster. Not for installation directly in ground or directly in concrete without protective ducting. Cable needs protection from direct sunlight.

Substitutes: PPJ, MMJ, PPJ Light, NYM and (N)YM



XPUJ (XPJ-BLACK) is intended to use for fixed surface or flush-mounted installations, indoors, outdoors and in ground.

Substitutes: CYKY



1kV power cable for fixed indoor, outdoor and underground installations.

Substitutes: NYY

XPJ 300/500

DATA						RECOMMENDATIONS
Conductors x cross section mm ²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code	
2x1,5	7,6	87	100	foil	4741532028006	Indoors
3x1,5	7,8	100	100	foil	4741532028136	Surface
3G1,5	7,8	100	100	foil	4741532028112	Hidden (pipe/tray)
3G1,5	7,8	100	300	reel	4741532028105	Supports
3G1,5	7,8	100	1000	K6	4741532028129	Suspension
3G2,5	8,8	139	100	foil	4741532028143	Outdoors
3G2,5	8,8	139	300	reel	4741532028167	Buried
3G2,5	8,8	139	1000	K7	4741532028150	In water
4G1,5	8,6	121	100	foil	4741532028310	Fire resistant
4G1,5	8,6	121	1000	K7	4741532028327	Halogen free
4G2,5	9,5	167	100	foil	4741532028341	Fire retardant
4G2,5	9,5	167	1000	K7	4741532028358	EMC
5G1,5	9,2	146	100	foil	4741532028518	UV-resistant
5G1,5	9,2	146	200	reel	4741532028501	Solid conductor
5G1,5	9,2	146	500	K6	4741532028532	IEC 60228
5G2,5	10,4	203	50	foil	4741532028549	Yes / recommended
5G2,5	10,4	203	100	foil	4741532028563	Permitted
5G2,5	10,4	203	200	reel	4741532028587	No / not recommended
5G2,5	10,4	203	750	K7	4741532028556	

PROPERTIES	CONSTRUCTION	
Higher max short circuit temperature	Max conductor temperature	70
Insulation mechanically stronger	Max short circuit temperature	250
Insulation dielectrically stronger	Lowest handling temperature	-15
Insulation material halogen free	Insulation material	XLPE
More compact	Outersheath material	PVC
Lighter	Conductor colors 3G (3x)	YE/GN, BU, BR (BR, BK, GY)
	Conductor colors 4G (5G)	YE/GN, BU, BR, BK, (GY)

PPJ/MMJ 300/500

RECOMMENDATIONS	DATA					
	Conductors x cross section mm ²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code
Indoors	2x1,5 N	8,5	100	100	foil	6410004064122
Surface	3x1,5 N	8,6	120	100	foil	6410004064221
Hidden (pipe/tray)	3x1,5 S	8,6	120	100	foil	6410004067222
Supports	3x1,5 S	8,6	120	300	reel	6410004567722
Suspension	3x1,5 S	8,6	120	1000	K7	6410004567227
Outdoors	3x2,5 S	9,9	170	100	foil	6410004067239
Buried	3x2,5 S	9,9	170	200	reel	6410004567739
In water	3x2,5 S	9,9	170	1000	K7	6410004567234
Fire resistant	4x1,5 S	9,7	150	100	foil	6410004067321
Halogen free	4x1,5 S	9,7	150	500	K6	6410004567845
Fire retardant	4x2,5 S	11,1	210	100	foil	6410004067338
EMC	4x2,5 S	11,1	210	500	K6	6410004567852
UV-resistant	5x1,5 S	10,2	180	100	foil	6410004067420
Solid conductor	5x1,5 S	10,2	180	200	reel	6410004567920
IEC 60228	5x1,5 S	10,2	180	500	K6	6410004567944
Yes / recommended	5x2,5 S	11,9	260	50	foil	6410004067437
Permitted	5x2,5 S	11,9	260	150	reel	6410004567937
No / not recommended	5x2,5 S	11,9	260	750	K8	6410004567432

CONSTRUCTION	PROPERTIES	
70	Max conductor temperature	Insulation mechanically softer
160	Max short circuit temperature	Lower max short circuit temperature
-15	Lowest handling temperature	Heavier
PVC	Insulation material	Thicker
PVC	Outersheath material	
YE/GN, BU, BR (BR, BK, GY)	Conductor colors 3 S (3 N)	
YE/GN, BU, BR, BK, (GY)	Conductor colors 4 S (5 S)	

XPJ 300/500

DATA						RECOMMENDATIONS
Conductors x cross section mm²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code	
2x1,5	7,6	87	100	foil	4741532028006	Indoors
3x1,5	7,8	100	100	foil	4741532028136	Surface
3G1,5	7,8	100	100	foil	4741532028112	Hidden (pipe/tray)
3G1,5	7,8	100	300	reel	4741532028105	Supports
3G1,5	7,8	100	1000	K6	4741532028129	Suspension
3G2,5	8,8	139	100	foil	4741532028143	Outdoors
3G2,5	8,8	139	300	reel	4741532028167	Buried
3G2,5	8,8	139	1000	K7	4741532028150	In water
4G1,5	8,6	121	100	foil	4741532028310	Fire resistant
4G1,5	8,6	121	1000	K7	4741532028327	Halogen free
4G2,5	9,5	167	100	foil	4741532028341	Fire retardant
4G2,5	9,5	167	1000	K7	4741532028358	EMC
5G1,5	9,2	146	100	foil	4741532028518	UV-resistant
5G1,5	9,2	146	200	reel	4741532028501	Solid conductor
5G1,5	9,2	146	500	K6	4741532028532	IEC 60228
5G2,5	10,4	203	50	foil	4741532028549	Yes / recommended
5G2,5	10,4	203	100	foil	4741532028563	Permitted
5G2,5	10,4	203	200	reel	4741532028587	No / not recommended
5G2,5	10,4	203	750	K7	4741532028556	

PROPERTIES
Higher max short circuit temperature
Lower min handling temperature
Insulation mechanically stronger
Insulation dielectrically stronger
Insulation material halogen free
More compact
Lighter

CONSTRUCTION
Max conductor temperature 70
Max short circuit temperature 250
Lowest handling temperature -15
Insulation material XLPE
Outersheath material PVC
Conductor colors 3G (3x) YE/GN, BU, BR (BR, BK, GY)
Conductor colors 4G (5G) YE/GN, BU, BR, BK, (GY)

NYM 300/500

RECOMMENDATIONS	DATA					
	Conductors x cross section mm²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code
Indoors	2x1,5 O	7,9	100	100	foil	8595067513065
Surface	3x1,5 O	8,3	121	100	foil	8595067517551
Hidden (pipe/tray)	3x1,5 J	8,3	121	100	foil	8595067501642
Supports	3x1,5 J	8,3	121	500	reel	8595067549118
Suspension						
Outdoors						
Buried						
In water						
Fire resistant	3x2,5 J	9,6	170	100	foil	8595067501895
Halogen free	3x2,5 J	9,6	169	500	reel	8595067558806
Fire retardant						
EMC	4x1,5 J	9,0	144	100	foil	8595067501802
UV-resistant	4x1,5 J	9,0	143	500	reel	8595067507262
Solid conductor	4x2,5 J	10,4	200	100	foil	8595067501956
IEC 60228	4x2,5 J	10,4	200	500	reel	8595067549163
	5x1,5 J	9,7	167	100	foil	8595067501840
Yes / recommended						
Permitted	5x2,5 J	11,2	240	50	foil	8595067532752
No / not recommended	5x2,5 J	11,2	240	100	foil	8595067501970
	5x2,5 J	11,2	239	500	reel	8595067560533

CONSTRUCTION
70 Max conductor temperature
160 Max short circuit temperature
4 Lowest handling temperature
PVC Insulation material
PVC Outersheath material
YE/GN, BU, BR (BR, BK, GY) Conductor colors 3 (3 O) cores
YE/GN, (BU), BR, BK, GY Conductor colors 4 (5) cores

PROPERTIES
Insulation mechanically softer
Lower max short circuit temperature
Higher min handling temperature
Heavier
Thicker

XPJ 450/750

DATA						RECOMMENDATIONS
Conductors x cross section mm ²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code	
3G4	10,9	221	500	K7	4741532028174	Indoors
3G6	12,6	309	500	K7	4741532028204	Surface
3G10	15,1	475	400	K7	4741532028259	Hidden (pipe/tray)
3G16	17,7	705	250	K7	4741532028297	Supports
3G25	21,6	1 056	250	K8	4741532028334	Suspension
4G4	11,8	266	500	K7	4741532028372	Outdoors
4G6	13,7	383	500	K7	4741532028402	Buried
4G10	16,7	603	400	K8	4741532028433	In water
4G16	19,5	894	250	K7	4741532028471	Fire resistant
4G25	23,7	1 333	250	K9	4741532028495	Halogen free
5G4	12,7	321	500	K8	4741532028570	Fire retardant
5G6	14,9	454	500	K8	4741532028600	EMC
5G10	18,4	727	250	K7	4741532028631	UV-resistant
5G16	21,4	1 071	250	K8	4741532028679	Solid conductor 4mm ²
5G25	26,2	1 612	250	K9	4741532028693	Stranded ≥ 6mm ²
						IEC 60228
						Yes / recommended
						Permitted
						No / not recommended

PROPERTIES	CONSTRUCTION	
Higher max short circuit temperature	Max conductor temperature	70
Insulation mechanically stronger	Max short circuit temperature	250
Insulation dielectrically stronger	Lowest handling temperature	-15
Insulation material halogen free	Insulation material	XLPE
More compact	Outersheath material	PVC
Lighter	Conductor colors 3G	YE/GN, BU, BR
	Conductor colors 4G (5G)	YE/GN, BU, BR, BK, (GY)

PPJ/MMJ 450/750

RECOMMENDATIONS	DATA					
	Conductors x cross section mm ²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code
Indoors	3G4	11,8	260	1000	K8	6410004572245
Surface	3x6 S	13,7	360	500	K8	6410004567258
Hidden (pipe/tray)	3x10 S	16,6	550	400	K8	6410004067260
Supports						
Suspension						
Outdoors						
Buried						
In water						
Fire resistant						
Halogen free	4x6 S	14,9	439	500	K8	6410004567357
Fire retardant	4x10 S	18,3	696	400	K8	6410004567364
EMC	4x16 S	21,0	996	250	K8	6410004567371
UV-resistant						
Solid conductor 4mm ²	5G4	13,9	380	380	K8	6410004572443
Stranded ≥ 6mm ²	5x6 S	16,5	490	500	K8	6410004567456
IEC 60228	5x10 S	20,3	840	250	K8	6410004067468
	5x16 S	23,0	1 190	250	K9	6410004067475
	5x25 S	28,1	1 830	250	K11	6410004067482
Yes / recommended						
Permitted						
No / not recommended						

CONSTRUCTION	PROPERTIES	
70	Max conductor temperature	Insulation mechanically softer
160	Max short circuit temperature	Lower max short circuit temperature
-15	Lowest handling temperature	Heavier
PVC	Insulation material	Thicker
PVC	Outersheath material	
YE/GN, BU, BR	Conductor colors 3 cores	
YE/GN, (BU), BR, BK, GY	Conductor colors 4 (5) cores	

XPJ 450/750

DATA						RECOMMENDATIONS
Conductors x cross section mm ²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code	
3G4	10,9	221	500	K7	4741532028174	Indoors
3G6	12,6	309	500	K7	4741532028204	Surface
3G10	15,1	475	400	K7	4741532028259	Hidden (pipe/tray)
3G16	17,7	705	250	K7	4741532028297	Supports
3G25	21,6	1056	250	K8	4741532028334	Suspension
4G4	11,8	266	500	K7	4741532028372	Outdoors
4G6	13,7	383	500	K7	4741532028402	Buried
4G10	16,7	603	400	K8	4741532028433	In water
4G16	19,5	894	250	K7	4741532028471	Fire resistant
4G25	23,7	1333	250	K9	4741532028495	Halogen free
5G4	12,7	321	500	K8	4741532028570	Fire retardant
5G6	14,9	454	500	K8	4741532028600	EMC
5G10	18,4	727	250	K7	4741532028631	UV-resistant
5G16	21,4	1071	250	K8	4741532028679	Solid conductor 4mm ²
5G25	26,2	1612	250	K9	4741532028693	Stranded ≥ 6mm ²
						IEC 60228
						Yes / recommended
						Permitted
						No / not recommended

PROPERTIES	CONSTRUCTION
Higher max short circuit temperature	Max conductor temperature 70
Lower min handling temperature	Max short circuit temperature 250
Insulation mechanically stronger	Lowest handling temperature -15
Insulation dielectrically stronger	Insulation material XLPE
Insulation material halogen free	Outersheath material PVC
More flexible stranded conductors	Conductor colors 3G YE/GN, BU, BR
	Conductor colors 4G (5G) YE/GN, BU, BR, BK, (GY)

NYM-J 300/500

RECOMMENDATIONS	DATA					
	Conductors x cross section mm ²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code
Indoors						
Surface						
Hidden (pipe/tray)						
Supports	3x4	11,0	239	500	reel	8595067560304
Suspension	3x6	12,5	330	500	reel	8595067549149
Outdoors						
Buried						
In water						
Fire resistant	4x4	12,5	306	500	reel	8595067507477
Halogen free	4x6	13,6	400	400	reel	8595067502014
Fire retardant	4x10	17,7	670	500	DWP0800	8595067502038
EMC						
UV-resistant						
Solid conductor	5x4	13,1	347	500	reel	8595067502007
Stranded	5x6	15,0	478	500	reel	8595067502021
IEC 60228	5x10	18,2	750	500	DW8100E	8595067573397

CONSTRUCTION	PROPERTIES
70	Max conductor temperature
160	Max short circuit temperature
4	Lowest handling temperature
PVC	Insulation material
PVC	Outersheath material
YE/GN, BU	Conductor colors 3 cores
YE/GN, (BU), BR, BK, GY	Conductor colors 4 (5) cores
	Insulation mechanically softer
	Lower max short circuit temperature
	Higher min handling temperature

XPUJ

DATA						RECOMMENDATIONS
Conductors x cross section mm ²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code	
2x1,5	7,4	83	2000	K7	4741532029010	Indoors
2x2,5	8,3	113	2000	K7	4741532029041	Surface
3G1,5	7,7	96	100	foil	4741532029119	Hidden (pipe/tray)
3G1,5	7,7	96	500	S5	4741532029102	Supports
3G2,5	8,6	133	100	foil	4741532029140	Suspension
3G2,5	8,6	133	500	K6	4741532029164	Outdoors
3G4	10,9	216	100	foil	4741532029409	Buried
3G4	10,9	216	500	K7	4741532029416	Ploughing
3G6	12,6	309	500	K7	4741532029379	In water
4G1,5	8,4	116	100	foil	4741532029317	Fire resistant
4G2,5	9,3	161	100	foil	4741532029348	Halogen free
4G2,5	9,3	161	500	K6	4741532029355	Fire retardant
4G4	11,8	262	100	foil	4741532029430	EMC
4G4	11,8	262	500	K7	4741532029447	UV-resistant
4G6	13,7	383	500	K7	4741532029454	Solid conductor
4G10	16,7	603	500	K8	4741532029461	Stranded ≥ 6 mm ²
4G16	19,5	894	500	K9	4741532029478	IEC 60228
5G1,5	9,1	140	100	foil	4741532029515	Yes / recommended
5G1,5	9,1	140	500	K8	4741532029508	Permitted
5G2,5	10,2	197	100	foil	4741532029560	No / not recommended
5G2,5	10,2	197	500	K7	4741532029539	
5G2,5	10,3	203	750	K7	4741532029553	
5G4	10,3	203	100	foil	4741532029584	
5G4	12,7	316	500	K7	4741532029577	
5G6	14,9	454	500	K8	4741532029386	
5G10	18,4	727	500	K9	4741532029393	
5G16	21,4	1071	500	K11	4741532029485	

PROPERTIES	CONSTRUCTION	
Higher max short circuit temperature	Max conductor temperature	70
Lower min handling temperature	Max short circuit temperature	250
Insulation mechanically stronger	Lowest handling temperature	-15
Insulation dielectrically stronger	Insulation material	XLPE
Insulation material halogen free	Outersheath material	PVC
Easy strippability	Conductor colors 3G (4G 1,5-2,5 mm ²)	YE/GN, BU, BR, (BK)
More flexible stranded conductors	Conductor colors 4C (5G)	YE/GN, BU, BR, BK, (GY)

CYKY

RECOMMENDATIONS	DATA					
	Conductors x cross section mm ²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code
Indoors	2x1,5 O	7,2	82	2000	DWP0800	8595067500126
Surface	2x2,5 O	8,4	119	1000	DWP0800	8595067500218
Hidden (pipe/tray)	3x1,5 J	7,6	99	100	foil	8595067500294
Supports	3x1,5 J	7,6	98	500	reel	8595067500324
Suspension	3x2,5 J	8,9	144	100	foil	8595067500669
Outdoors	3x2,5 J	8,9	144	500	reel	8595067504919
Buried	3x4 J	9,8	197	100	foil	8595067501693
Ploughing	3x4 J	9,8	197	500	DWP0800	8595067500850
In water	3x6 J	12,7	275	500	DWP0800	8595067529226
Fire resistant	4x1,5 J	8,2	119	100	foil	8595067500898
Halogen free	4x2,5 J	9,7	176	100	foil	8595067548890
Fire retardant	4x2,5 J	9,7	176	500	reel	8595067500980
EMC	4x4 J	10,8	243	100	foil	8595067501048
UV-resistant	4x4 J	10,8	243	500	DWP1500	8595067501055
Solid conductor	4x6 J	13,9	341	500	DWP0800	8595067501093
Stranded	4x10 J	15,9	537	1000	DWP1200	8595067523576
IEC 60228	4x16 J	18,8	801	500	DW8100E	8595067501154
Yes / recommended	5x1,5 J	9,1	140	1000	foil	8595067501185
Permitted	5x1,5 J	9,1	140	500	reel	8595067501208
No / not recommended	5x2,5 J	10,6	209	100	foil	8595067501260
	5x2,5 J	10,6	208	500	reel	8595067506067
	5x2,5 J	10,6	208	1000	DWP0800	8595067501277
	5x4 J	12,2	301	100	foil	8595067506807
	5x4 J	12,2	301	500	DWP0800	8595067501345
	5x6 J	15,3	414	500	DWP0800	
	5x10 J	17,4	650	1000	DWP1200	8595067523583
	5x16 J	20,6	973	500	DW8100E	8595067501369

CONSTRUCTION	PROPERTIES
70	Insulation mechanically softer
160	Lower max short circuit temperature
-5	Higher min handling temperature
PVC	More difficult strippability
PVC	Stiffer solid conductors
YE/GN, BU, BR	
YE/GN, (BU), BR, BK, GY	

XPK

DATA						RECOMMENDATIONS
Conductors x cross section mm ²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code	
3G1,5	9,7	133	500	K6	4741532120625	Surface
3G1,5	9,7	133	2000	K9	4741532120618	Hidden (pipe/tray)
3G2,5	10,7	175	500	K7	4741532120649	Suspension
3G2,5	10,7	175	1000	K8	4741532120632	Outdoors
3G4	11,9	241	500	K7	4741532120731	Buried
3G6	13,0	315	500	K7	4741532120748	Ploughing
4G1,5	10,5	159	500	K6	4741532120656	In water
4G2,5	11,5	207	500	K7	4741532120670	Fire resistant
4G4	12,8	289	500	K7	4741532120755	Halogen free
4G6	14,1	382	500	K7	4741532120762	Fire retardant
4G10	16,0	564	500	K8	4741532120816	EMC
4G16	19,6	781	500	K9	4741532120830	UV-resistant
4G25	23,8	1158	500	K11	4741532120854	IEC 60228
4G35	26,8	1545	500	K12	4741532120878	Yes / recommended
4G50	30,4	2 062	500	K14	4741532120892	Permitted
4G70	35,0	2 901	500	K14	4741532120915	No / not recommended
4G95	39,8	3 920	500	K18	4741532120939	
4G120	44,5	5 921	500	K20	4741532120953	
5G1,5	11,3	186	1000	K8	4741532120694	
5G2,5	12,5	248	1000	K9	4741532120717	
5G4	13,9	347	500	K7	4741532120779	
5G6	15,3	459	100	reel	4741532120793	
5G6	15,3	459	500	K8	4741532120786	
5G10	17,3	672	500	K9	4741532120823	
5G16	21,5	953	500	K11	4741532120847	
5G25	26,2	1 420	500	K12	4741532120861	
5G35	27,9	1 905	500	K12	4741532120885	

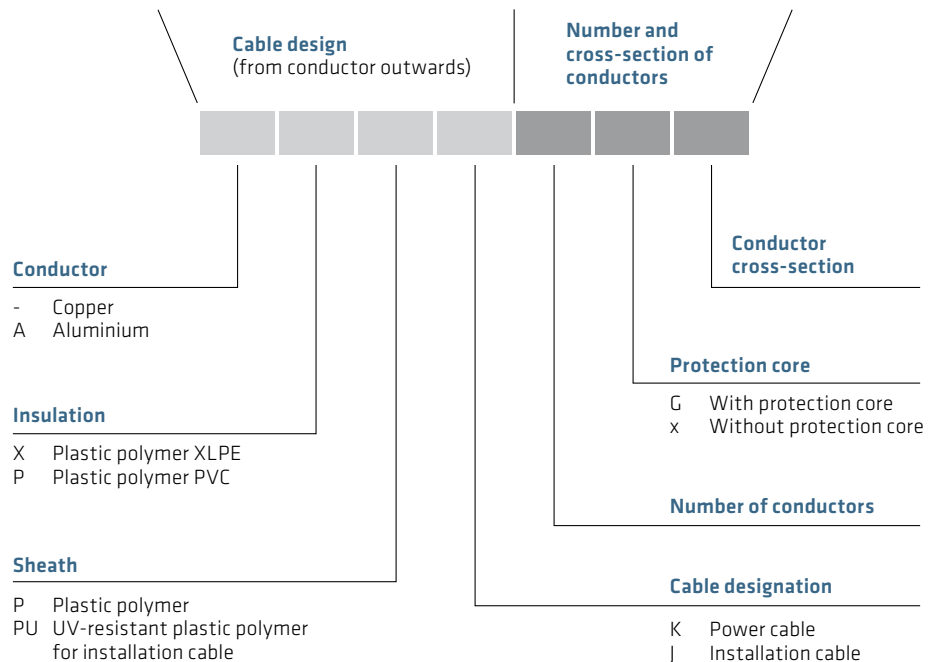
PROPERTIES	CONSTRUCTION
Higher max conductor temperature	Max conductor temperature 90
Higher max short circuit temperature	Max short circuit temperature 250
Lower min handling temperature	Lowest handling temperature -15
Insulation mechanically stronger	Insulation material XLPE
Insulation dielectrically stronger	Outersheath material PVC
Insulation material halogen free	Conductor colors 3G YE/GN, BU, BR
More compact	Conductor colors 4G (5G) YE/GN, (BU), BR, BK, GY
Lighter	

NYJ-J

RECOMMENDATIONS	DATA					
	Conductors x cross section mm ²	Overall diameter mm	Weight kg/km	Delivery length m	Delivery packing	EAN code
Surface						
Hidden (pipe/tray)						
Suspension						
Outdoors						
Buried	3x1,5	10,8	182	2000	DW8100E	8595067502076
Ploughing	3x2,5	11,7	226	500	DZP060P	8595067546797
In water	3x2,5	11,7	226	1000	DW8100E	8595067567136
Fire resistant	3x4	13,5	317	500	DWP0800	8595067509105
Halogen free	3x6	15,5	441	1000	DW1000	
Fire retardant	4x1,5	11,6	211	1000	DWP0800	8595067549606
EMC	4x2,5	12,5	265	1000	DW8100E	8595067560694
UV-resistant	4x4	14,6	378	500	DZP075P	8595067507453
IEC 60228	4x6	15,8	478	500	DWP0800	8595067560700
	4x10	17,7	670	500	DW8100E	8595067506012
	4x16	21,0	932	500	DW8100E	8595067508740
Yes / recommended	4x25	25,9	1 570	1000	DW1400	
Permitted	4x35	28,0	1 681	1000	DW1400	
No / not recommended	4x50	30,2	2 269	1000	DW1800	
	4x70	34,2	3 114	1000	DW1800	
	4x95	39,0	4 243	1000	DW2000	
	4x120	42,7	5 228	750	DW2000	
	5x1,5	12,4	239	1000	DW8100E	8595067507194
	5x2,5	13,4	306	1000	DW8100E	8595067507217
	5x4	15,8	439	1000	DW8100E	8595067569000
	5x6	17,1	560	500	DW8100E	
	5x10	19,2	792	500	DW8100E	8595067507149
	5x16	22,5	1 110	500	DWP1200	8595067505985
	5x25	28,3	1 930	1000	DW1500	8595067506791
	5x35	31,3	2 518	1000	DW1800	

CONSTRUCTION	PROPERTIES
70	Max conductor temperature Lower max conductor temperature
160	Max short circuit temperature Lower max short circuit temperature
-5	Lowest handling temperature Higher min handling temperature
PVC	Insulation material Insulation mechanically softer
PVC	Outersheath material Heavier
YE/GN, BU, BR	Conductor colors 3 cores Thicker
YE/GN, (BU), BR, BK, GY	Conductor colors 4 (5) cores

Cable designation used by Draka Keila Cables



Color of wires for cables by CENELEC HD 308 S2:2001

	2x	3G	3x	4G	5G
300 / 500 V	Blue, Brown	Blue, Green, Brown	Brown, Black, Grey	Blue, Green, Brown, Black	Blue, Green, Brown, Black, Grey
450 / 750 V		Blue, Green, Brown		Blue, Green, Brown, Black	Blue, Green, Brown, Black, Grey
0,6 / 1 kV		Blue, Green, Brown		Blue, Green, Brown, Black	Blue, Green, Brown, Black, Grey

Recommendations for installation cables by EN 50565-1:2014

Bending radius (R) in ambient temperatures 20 ± 10 °C.

For ambient temperatures outside these limits follow recommendations of manufacturer.

Overall diameter (D) of cable (mm)	D ≤ 12	D > 12
Normal use	5D	6D
Careful bending at termination (with a former)	3D	4D

* For 1kV cables minimum bending radius during installation is 12D.

Overall diameter (D) of cable (mm)	Maximum spacing of supports (mm)	
	Horizontal	Vertical
D ≤ 9	250	400
9 < D ≤ 15	300	400
15 > D ≤ 20	350	450
20 < D ≤ 40	400	550

The spacings for horizontal runs are applicable for cable ways up to 60° angle, from 60° and above vertical spacings are applicable.

The spacings stated are maximum for normal use. Reduced spacings may be required for various reasons.

For the spacing of supports for cables of overall diameter exceeding 40 mm, and for single core cables having conductors of cross-sectional area 300 mm² and larger, the manufacturer's recommendations shall be observed.

* Above mentioned recommendations are for installation cables stated in this booklet.

* When storage temperature is lower than ambient temperature of installation site, cable needs to warm up long enough for ambient temperature being applicable.



XPJ - Building wire

which is exceeding market expectations

- Easy stripability
- Minimum installation temperature -15°C
- Materials that are proved as first choice in high voltage power cables
- Excellent dielectrical and mechanical properties
- Complies with RoHS directive
- Tested and certified in 3rd party laboratory

People deserve safe electrical installations!





Linking communications to communities

You are always most welcome to contact us
with any questions or views you may have.

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