

OUTDOOR – DUCT + ADSS <60m

MICROMODULE STRUCTURE FIBRE-OPTIC CABLES



DESCRIPTION AND APPLICATION

Outdoor compact fibre optic cables with polyethylene sheath and fibre glass reinforcements. Designed for duct installation (by blowing or pulling) or aerial self supported overhead lines with medium span (<60m). These cables are designed for every kind of communications networks.

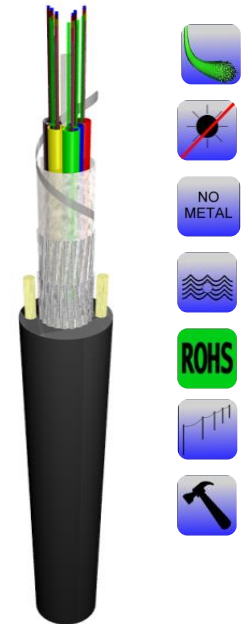
CONSTRUCTION

1. Micromodules: Easy strippable tube with 6 or 12 fibres.
2. Water-blocking yarns and/or tapes.
3. Fibreglass reinforcement elements embedded in the outer sheath.
4. High density polyethylene sheath.

Markings: CABLESCOM / year / FO Number / Type of fibre / Type of sheath / Length markings

Optical fibre characteristics: See Annexes – Optical fibre characteristics.

Conditions for ADSS installation: See Annexes – Conditions for ADSS installation.



MICROMODULE COLOUR CODE

Cable Mod6	Cable Mod12	Tube											
		1	2	3	4	5	6	7	8	9	10	11	12
6	12	Red											
12	24	Red	Blue										
18	36	Red	Blue	Green									
24	48	Red	Blue	Green	Yellow								
36	72	Red	Blue	Green	Yellow	Violet	White						
48	96	Red	Blue	Green	Yellow	Violet	White	Orange	Grey				
60	120	Red	Blue	Green	Yellow	Violet	White	Orange	Grey	Brown	Black		
72	144	Red	Blue	Green	Yellow	Violet	White	Orange	Grey	Brown	Black	Turquoise	Pink
144	288	Red *	Blue *	Green *	Yellow *	Violet*	White *	Orange *	Grey *	Brown *	Green Light *	Turquoise *	Pink*
		Red **	Blue **	Green **	Yellow **	Violet**	White **	Orange **	Grey **	Brown **	Green Light **	Turquoise**	Pink**

Note: In 288 fibre cables the micromodules from 1 to 12 will be marked with a ring and the micromodules from 13 to 24 will be marked with 2 rings.

TABLE 2: FIBRE COLOURS

Fibre	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Red	Blue	Green	Yellow	Violet	White	Orange	Grey	Brown	Black	Turquoise	Pink

AERIAL INSTALLATION

- Installation Conditions: Maximum span: 60 m. / Sag : 1.8 % / Temperature 15°C.
- Maximum Space Potential recommendation: 4kV.
- Environmental conditions under which the cable will not surpass MAT, acc. to NFC 11201 (BT):
 - BT-ZVN-A. Temp: 15°C. Wind Pressure: 360 Pa
 - BT-ZVN-B. Temp: -10°C. Wind Pressure: 135 Pa
 - BT-Optional. Temp: -5°C. Wind Pressure: 350 Pa

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

OUTDOOR – DUCT + ADSS <60m

MICROMODULE STRUCTURE FIBRE-OPTIC CABLES



PRODUCT INFORMATION

MODULARITY 6 FO / TUBE										
FIBRES Num.	6	12	18	24	36	48	72	96	108	144
MODULE Num.	1	2	3	4	6	8	12	16	18	24
NOMINAL WEIGHT (kg/km)	28	42	42	50	56	67	88	102	105	124
NOMINAL OD (mm)	5.5	6.8	6.8	7.5	8.1	9.0	10.5	11.8	11.8	13.0
Installation Tensile Strength - ITS (N) UNE-EN 60794-1-2, Met. E1	1050	1520	1550	1580	1650	1950	2590	2730	2790	3230
Δεf<0.5%, Δα reversible, minimum 2.6 x cable weight										
Maximum Allowable Tension - MAT (N) UNE-EN 60794-1-2, Met. E1	570	720	720	810	870	980	1170	1300	1320	1480
Δεf<0.2%, Δα < 0,05 dB										
IMPACT RESISTANCE UNE-EN 60794-1-2, Met. E4	3 J					5 J				
r = 10 mm, Tº 20ºC, Δα reversible										
CURVATURE UNE-EN 60794-1-2, Met. 11	D = 20 x Cable OD 10 cycles, Δα<0.1 dB									
CRUSH RESISTANCE UNE-EN 60794-1-2, Met. E3	1500 N	2000 N				2500 N				
15 min, Δα reversible										
OPERATING TEMPERATURE UNE-EN 60794-1-2, Met. F1	-30ºC / +70ºC									
WATER PENETRATION UNE-EN 60794-1-2, Met. F5C	LP water ≤ 3 m (24 hours) (Cable core)									
PRODUCT CODE G.652D	EE82BG5 00000600N	EE82BG5 00001200N	EE82BG5 00001800N	EE82BG5 00002400N	EE82BG5 00003600N	EE82BG5 00004800N	EE82BG5 00007200N	EE82BG5 00009600N	EE82BG5 00010800N	EE82BG5 00014400N
PRODUCT CODE G.657A2	EE85BG5 00000600N	EE85BG5 00001200N	EE85BG5 00001800N	EE85BG5 00002400N	EE85BG5 00003600N	EE85BG5 00004800N	EE85BG5 00007200N	EE85BG5 00009600N	EE85BG5 00010800N	EE85BG5 00014400N

MODULARITY 12 FO / TUBE											
Nr. FIBRES	12	24	36	48	72	96	120	144	192	216	288
Nr. MODULE	1	2	3	4	6	8	10	12	16	18	24
NOMINAL WEIGHT (kg/km)	27	43	55	60	77	86	104	104	120	128	142
NOMINAL OD (mm)	5.5	6.8	8.1	8.5	9.8	10.5	11.8	11.8	13.0	13.5	14.0
Installation Tensile Strength - ITS (N) UNE-EN 60794-1-2, Met. E1	1100	1580	1870	1930	2580	2690	3390	2950	3230	3350	3700
Δεf<0.5%, Δα reversible, up to 2.6 x cable weight											
Maximum Allowable Tension - MAT (N) UNE-EN 60794-1-2, Met. E1	570	720	880	910	1160	1220	1540	1400	1470	1530	1740
Δεf<0.2%, Δα < 0.05 dB											
IMPACT RESISTANCE UNE-EN 60794-1-2, Met. E4	3 J				5 J						
r = 10 mm, Tº 20ºC, Δα reversible											
CURVATURE UNE-EN 60794-1-2, Met. 11	D = 20 x cable OD 10 cycles, Δα<0.1 dB										
CRUSH RESISTANCE UNE-EN 60794-1-2, Met. E3	1500 N	2000 N			2500 N						
15min, Δα reversible											
OPERATING TEMPERATURE UNE-EN 60794-1-2, Met. F1	-30ºC / +70ºC										
WATER PENETRATION UNE-EN 60794-1-2, Met. F5C	LP water ≤ 3 m (24 hours) (Cable core)										
PRODUCT CODE G.652D	EE83BG5 00001200N	EE83BG5 00002400N	EE83BG5 00003600N	EE83BG5 00004800N	EE83BG5 00007200N	EE83BG5 00009600N	EE83BG5 00012000N	EE83BG5 00014400N	EE83BG5 00019200N	EE83BG5 00021600N	EE83BG5 00028800N
PRODUCT CODE G.657A2	EE86BG5 00001200N	EE86BG5 00002400N	EE86BG5 00003600N	EE86BG5 00004800N	EE86BG5 00007200N	EE86BG5 00009600N	EE86BG5 00012000N	EE86BG5 00014400N	EE86BG5 00019200N	EE86BG5 00021600N	EE86BG5 00028800N

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza – SPAIN

+34 976 729 900 | +34 976 729 974

www.cablescom.com | comercial@cablescom.com

Certified Company ISO 9001 – ISO 14001

TITLE
HP_EE8WBG5_MS_MIX

EDITION
1

PREPARED/REVISED
RG/OS

DATE
2019-06-03

OUTDOOR – DUCT + ADSS <60m

MICROMODULE STRUCTURE FIBRE-OPTIC CABLES



ADSS INSTALLATION PARAMETRES

	Cable ID	Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
	2018100066_1_1	5,5	26	105	57				
	EE8W ^(*) BG500000600N	Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15		0	0,03	2,0	1,2	11
1	T 15°C - Wind 360Pa	60	15	102	0	0,24	3,2	1,9	56
2	T -10°C - Wind 135Pa	60	-10	40	0	0,05	2,0	1,2	19
3	T -5°C - Wind 350Pa	60	-5	100	0	0,23	3,1	1,8	56

	Cable ID	Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
	2018100066_1_2	6,8	41	152	72				
	EE8W ^(*) BG500001200N	Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,04	1,8	1,1	17
1	T 15°C - Wind 360Pa	60	15	102	0	0,29	3,1	1,8	71
2	T -10°C - Wind 135Pa	60	-10	40	0	0,06	1,7	1,0	27
3	T -5°C - Wind 350Pa	60	-5	100	0	0,28	2,9	1,8	72

	Cable ID	Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
	2018100066_1_3	6,8	42	155	72				
	EE8W ^(*) BG500001800N	Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,04	1,7	1,0	18
1	T 15°C - Wind 360Pa	60	15	102	0	0,29	3,1	1,9	70
2	T -10°C - Wind 135Pa	60	-10	40	0	0,07	2,0	1,2	26
3	T -5°C - Wind 350Pa	60	-5	100	0	0,28	3,0	1,8	71

	Cable ID	Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
	2018100066_1_4	7,5	50	158	81				
	EE8W ^(*) BG500002400N	Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,05	1,8	1,1	21
1	T 15°C - Wind 360Pa	60	15	102	0	0,32	3,0	1,8	79
2	T -10°C - Wind 135Pa	60	-10	40	0	0,07	1,7	1,0	30
3	T -5°C - Wind 350Pa	60	-5	100	0	0,31	2,9	1,7	80

	Cable ID	Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
	2018100066_1_5	8,1	56	165	87				
	EE8W ^(*) BG500003600N	Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,06	1,9	1,2	23
1	T 15°C - Wind 360Pa	60	15	102	0	0,35	3,1	1,9	85
2	T -10°C - Wind 135Pa	60	-10	40	0	0,07	1,6	0,9	34
3	T -5°C - Wind 350Pa	60	-5	100	0	0,34	3,0	1,8	86

	Cable ID	Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
	2018100066_1_6	9,0	67	195	98				
	EE8W ^(*) BG500004800N	Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,07	1,9	1,1	28
1	T 15°C - Wind 360Pa	60	15	102	0	0,4	3,1	1,9	96
2	T -10°C - Wind 135Pa	60	-10	40	0	0,09	1,7	1,0	40
3	T -5°C - Wind 350Pa	60	-5	100	0	0,38	2,9	1,7	98

^(*) "W" may be "2" for G652D or "5" for G657A2.

^(**) "W" may be "3" for G652D or "6" for G657A2.

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza – SPAIN

+34 976 729 900 | +34 976 729 974

www.cablescom.com | comercial@cablescom.com

Certified Company ISO 9001 – ISO 14001

TITLE
HP_EE8WBG5_MS_MIX

EDITION
1

PREPARED/REVISED
RG/OS

DATE
2019-06-03

OUTDOOR – DUCT + ADSS <60m

MICROMODULE STRUCTURE FIBRE-OPTIC CABLES



Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_1_7		9,8	77	237	107				
EE8W ^(*) BG500006000N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,08	1,9	1,1	32
1	T 15°C - Wind 360Pa	60	15	102	0	0,43	3,1	1,9	104
2	T -10°C - Wind 135Pa	60	-10	40	0	0,1	1,7	1,0	45
3	T -5°C - Wind 350Pa	60	-5	100	0	0,42	3,0	1,8	106

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_1_8		10,5	88	259	117				
EE8W ^(*) BG500007200N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,09	1,9	1,1	36
1	T 15°C - Wind 360Pa	60	15	102	0	0,46	3,0	1,8	114
2	T -10°C - Wind 135Pa	60	-10	40	0	0,11	1,7	1,0	50
3	T -5°C - Wind 350Pa	60	-5	100	0	0,44	2,8	1,7	117

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_1_9		11,8	102	273	130				
EE8W ^(*) BG500009600N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,1	1,8	1,1	43
1	T 15°C - Wind 360Pa	60	15	102	0	0,52	3,1	1,8	127
2	T -10°C - Wind 135Pa	60	-10	40	0	0,13	1,7	1,0	58
3	T -5°C - Wind 350Pa	60	-5	100	0	0,5	2,9	1,7	130

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_1_10		11,8	105	279	132				
EE8W ^(*) BG500010800N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,1	1,7	1,0	44
1	T 15°C - Wind 360Pa	60	15	102	0	0,52	3,0	1,8	128
2	T -10°C - Wind 135Pa	60	-10	40	0	0,13	1,7	1,0	59
3	T -5°C - Wind 350Pa	60	-5	100	0	0,5	2,9	1,7	131

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_1_11		13	122	323	148				
EE8W ^(*) BG500014400N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,12	1,8	1,1	51
1	T 15°C - Wind 360Pa	60	15	102	0	0,57	3,0	1,8	144
2	T -10°C - Wind 135Pa	60	-10	40	0	0,15	1,7	1,0	68
3	T -5°C - Wind 350Pa	60	-5	100	0	0,55	2,8	1,7	148

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_1		5,5	27	115	57				
EE8W ^(**) BG500001200N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15		0	0,03	1,9	1,2	12
1	T 15°C - Wind 360Pa	60	15	102	0	0,24	3,2	1,9	56
2	T -10°C - Wind 135Pa	60	-10	40	0	0,05	1,9	1,2	19
3	T -5°C - Wind 350Pa	60	-5	100	0	0,23	3,0	1,8	57

^(*) "W" may be "2" for G652D or "5" for G657A2.

^(**) "W" may be "3" for G652D or "6" for G657A2.

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza – SPAIN

+34 976 729 900 | +34 976 729 974

www.cablescom.com | comercial@cablescom.com

Certified Company ISO 9001 – ISO 14001

TITLE
HP_EE8WBG5_MS_MIX

EDITION
1

PREPARED/REVISED
RG/OS

DATE
2019-06-03

OUTDOOR – DUCT + ADSS <60m

MICROMODULE STRUCTURE FIBRE-OPTIC CABLES



Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_2		6,8	42	158	72				
EE8W ^(**) BG500002400N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,04	1,7	1,0	18
1	T 15°C - Wind 360Pa	60	15	102	0	0,29	3,1	1,8	71
2	T -10°C - Wind 135Pa	60	-10	40	0	0,07	2,0	1,2	27
3	T -5°C - Wind 350Pa	60	-5	100	0	0,28	2,9	1,8	71

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_3		8,1	54	187	88				
EE8W ^(**) BG500003600N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,05	1,6	1,0	23
1	T 15°C - Wind 360Pa	60	15	102	0	0,35	3,1	1,8	86
2	T -10°C - Wind 135Pa	60	-10	40	0	0,07	1,5	0,9	35
3	T -5°C - Wind 350Pa	60	-5	100	0	0,34	2,9	1,8	87

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_4		8,5	58	193	91				
EE8W ^(**) BG500004800N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,06	1,8	1,1	25
1	T 15°C - Wind 360Pa	60	15	102	0	0,37	3,1	1,9	89
2	T -10°C - Wind 135Pa	60	-10	40	0	0,08	1,7	1,0	36
3	T -5°C - Wind 350Pa	60	-5	100	0	0,35	2,9	1,7	90

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_5		9,8	77	258	116				
EE8W ^(**) BG500007200N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,08	1,9	1,1	32
1	T 15°C - Wind 360Pa	60	15	102	0	0,43	3,0	1,8	107
2	T -10°C - Wind 135Pa	60	-10	40	0	0,1	1,7	1,0	45
3	T -5°C - Wind 350Pa	60	-5	100	0	0,42	2,9	1,7	109

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_6		10,5	86	269	122				
EE8W ^(**) BG500009600N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,09	1,9	1,1	36
1	T 15°C - Wind 360Pa	60	15	102	0	0,46	3,0	1,8	115
2	T -10°C - Wind 135Pa	60	-10	40	0	0,11	1,7	1,0	50
3	T -5°C - Wind 350Pa	60	-5	100	0	0,44	2,8	1,7	117

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_7		10,5	85	262	119				
EE8W ^(**) BG500010800N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,09	1,9	1,1	36
1	T 15°C - Wind 360Pa	60	15	102	0	0,46	3,1	1,8	113
2	T -10°C - Wind 135Pa	60	-10	40	0	0,11	1,7	1,0	49
3	T -5°C - Wind 350Pa	60	-5	100	0	0,44	2,9	1,7	115

^(*) "W" may be "2" for G652D or "5" for G657A2.

^(**) "W" may be "3" for G652D or "6" for G657A2.

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza – SPAIN

+34 976 729 900 | +34 976 729 974

www.cablescom.com | comercial@cablescom.com

Certified Company ISO 9001 – ISO 14001

TITLE
HP_EE8WBG5_MS_MIX

EDITION
1

PREPARED/REVISED
RG/OS

DATE
2019-06-03

OUTDOOR – DUCT + ADSS <60m

MICROMODULE STRUCTURE FIBRE-OPTIC CABLES



Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_8		11,8	104	339	154				
EE8W ^(**) BG500012000N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,1	1,7	1,0	43
1	T 15°C - Wind 360Pa	60	15	102	0	0,52	2,9	1,7	134
2	T -10°C - Wind 135Pa	60	-10	40	0	0,13	1,7	1,0	59
3	T -5°C - Wind 350Pa	60	-5	100	0	0,5	2,7	1,6	137

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_9		11,8	103	295	140				
EE8W ^(**) BG500014400N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,1	1,7	1,0	43
1	T 15°C - Wind 360Pa	60	15	102	0	0,52	3,0	1,8	130
2	T -10°C - Wind 135Pa	60	-10	40	0	0,13	1,7	1,0	59
3	T -5°C - Wind 350Pa	60	-5	100	0	0,5	2,8	1,7	133

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_10		13	120	323	147				
EE8W ^(**) BG500019200N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,12	1,8	1,1	50
1	T 15°C - Wind 360Pa	60	15	102	0	0,57	3,0	1,8	143
2	T -10°C - Wind 135Pa	60	-10	40	0	0,15	1,7	1,0	67
3	T -5°C - Wind 350Pa	60	-5	100	0	0,55	2,8	1,7	147

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_11		13,5	127	335	153				
EE8W ^(**) BG500021600N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	15	0	0	0,13	1,8	1,1	53
1	T 15°C - Wind 360Pa	60	15	102	0	0,59	3,0	1,8	149
2	T -10°C - Wind 135Pa	60	-10	40	0	0,16	1,7	1,0	70
3	T -5°C - Wind 350Pa	60	-5	100	0	0,57	2,8	1,7	153

Cable ID		Cable OD (mm)	Weight (kg/km)	ITS (daN)	MAT (daN)				
2018100066_3_12		14	141	370	174				
EE8W ^(**) BG500028800N		Span (m)	Temp (°C)	Wind (km/h)	IceLoad(kg/km)	TotLoad(kg/km)	Sag (%)	Sag (m)	Tension (daN)
0	Installation	60	0	0	0	0,14	1,5	0,9	71
1	T 15°C - Wind 360Pa	60	15	102	0	0,62	2,8	1,7	169
2	T -10°C - Wind 135Pa	60	-10	40	0	0,17	1,4	0,8	91
3	T -5°C - Wind 350Pa	60	-5	100	0	0,6	2,6	1,6	174

(*) "W" may be "2" for G652D or "5" for G657A2.

(**) "W" may be "3" for G652D or "6" for G657A2.

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and must not be considered contractual.

Cables de Comunicaciones Zaragoza, SL.

Polígono de Malpica, calle D, nº 83. 50016 Zaragoza – SPAIN

+34 976 729 900 | +34 976 729 974

www.cablescom.com | comercial@cablescom.com

Certified Company ISO 9001 – ISO 14001

TITLE
HP_EE8WBG5_MS_MIX

EDITION
1

PREPARED/REVISED
RG/OS

DATE
2019-06-03