

Cable Code Fibre Optic Cables

(Revision 2004/02)

S1	S2	S3	S4
Number of fibres/ fiber type	4 letter code	Additional	Additional
G2-9/125*	AXAI	I/P	20
Alt**: G2-9/OS1	AXAI	I/P	20

*-This example is an indoor patch cable with an outer diameter of 2.0 mm

**-Alternative for order information/documentation where number of character fields are limited. Fiber classification(OS1, re: IEC11801 and EN50173) is here linked directly to fibre dimension(9). Order info. Is limited to 30 char.(Baan/MM)

In the following you will find definitions to each section(S1, S2, S3 and S4)

S1. (G2-9/125).			
Define area of application(G), number of fibers(24) or pairs and dimension of fibre core/cladding (9/125) or conductors.			
In addition fibre classification may be added(example OM1/2/3 or OS1 – as of IEC11801/EN50173): Example G2-9/OS1			
A	subscriber	K	coaxial 2,6/9,5*
B	carrier frequency	L	trunk network
C	buildings with telecommunication equipment	M	Coaxial1,2/4,4*
D	Indoor	N	ships
F	lead in cable	P	coil loaded cord/cable
G	optical cable	R	coaxial(other than K and M)
H	spare pairs	U	outdoor(wire)
I	indoors(wire)	*	+ Coaxial tubes with equal impedance and attenuation. Dimension of conductors other than 9,5 and 4,4 shall be given.

S2. (AXAI)**Definition of mechanical composition(4 letter code).****(letters used for fiber optic cables)**

1. Letter, Insulation		2. Letter Sheath, armouring, screen		3. Letter Armouring, screen, strand, suspension wire		4. Letter Outer sheath, corrosion protection	
A	Optical fibre, tight coating	A	Tensile elements, yarn	A	Tensile elements, yarn	A	
B		B		B		B	Improved hydrocarbone protection
C		C		C	Steel Wire Braiding	C	
D		D		D		D	
E	Polyethylene – PE Polypropylene - PP	E	Polyethylene – PE Polypropylene - PP	E	Oil-cable, reinforced crosswise	E	Polyethylene – PE Polypropylene - PP
F		F	Filling sheath/tape	F		F	
G	Polyamide(PA)	G		G		G	PE + Polyamide
H		H		H		H	
I	Zero halogene fire retardant plastic	I	Zero halogene fire retardant plastic	I	-	I	Zero halogene fire retardant plastic
J		J		J		J	
K		K	Lead	K		K	Lead
L		L	Aluminium laminate	L	Aluminium laminate	L	
M		M		M		M	Polyester
N		N	Polyurethane	N	Steel laminate	N	Polyurethane
O		O		O	Copper wire braiding	O	
P	Polyvinyle chloride(PVC)	P	Polyvinyle chloride(PVC)	P	Polyvinyle chloride(PVC)	P	Polyvinyle chloride(PVC)
Q	Optical fibre in tube	Q		Q	Steel wire + possibly steel tape in open helix	Q	
R		R		R	Steel wire + filling compound	R	
S		S		S		S	
T		T		T		T	
U		U		U		U	
V	Optical fiber in slot	V		V	Double wire armoure	V	
W	Other material	W		W	Suspension strand	W	Other material
X	No insulation	X	No sheath.....	X	No Armour.....	X	No sheath
Y		Y		Y		Y	
Z	Flour plastic	Z	Flour plastic	Z		Z	Flour plastic

S3 (I/P)		S4 (20)	
Code	Description	Code	Description
ADØ7	/Air Dielectric 7 mm Ø	J	Jelly
AM10	Air Metal 10 sqmm(W1.4: 7x1,4 mm)	M	Multitube, Stranded tubes
AM35	Air Metal 35 sqmm(W2.55, 7x2.55 mm)	S	Monotube(Single tube, sentral tube)
AM50	Air Metal 50 sqmm(W1.8, 19x1,8 mm)	W	Water Swellable Material(No jelly)
C	Chemical protected(MUD, oil)	09	Diameter = 0.9 mm
D	Duct	20	Diameter = 2.0 mm
DB	Direct Burrial	29	Diameter = 2.9 mm
I	Indoor		
M	Metal in the cable(Ex. Al laminate)		
O	Outdoor		
P	Patch		
RG	Rodent protected w/Glass		
RM	Rodent Protected Metal (e.g. Corrugated steel tape)		
Rxx	Steel Wire Armour, land cable + wire diameter (x,x mm)		
T	Trunk		
Wxx	Water(Subsea) type steel wire armour + wire diameter(x,xmm)		
Examples:			
I/P	=Indoor Patch	O/DB	=Outdoor/Direct Burrial
I/D	= Indoor Duct	O/DB/R10	=Outdoor/Direct Burrial Rodent Protected 1,0 mm Wire Armour
I/O	=Indoor/Outdoor	O/RG	=Outdoor/Rodent protected w/Glass
I/O/RM	=Indoor/Outdoor/Rodent Protected Metal	O/DB/RM	=Outdoor/Direct Burrial/ Rodent Protected Metal (Corrugated steel tape)
I/O/RM/C	=Indoor/Outdoor/Rodent Protected Metal/Chemical protected(MUD, Oil)	I/O/RG	=Indoor/Outdoor/Rodent protected Glass
O/AM10	=Outdoor/Air Metal 10 sqmm	W	= Water Swellable Material(No jelly)
O/AM35	=Outdoor/Air Metal 35 sqmm	JM/J	= Jelly Filled Multi Tubes, stranded /Jelly Filled core
O/AM50	=Outdoor/Air Metal 50 sqmm	JS/J	= Jelly Filled mono Tube/Jelly Filled core
O/ADØ7	=Outdoor/Air Dielectric 7 mm Ø	JM/W	= Combined Jelly Filled Tube, Stranded multitube/Water Swellable material in core
O/W10	=Outdoor/Water1,0 mm Armour.	JS/W	= Combined Jelly Filled monoTube/Water Swellable material in core
O/W26	=Outdoor/Water2,6 mm Armour.	J/-	=Jelly filled Tube/Not filled core
O/W42	=Outdoor/Water4,2 mm Armour.		
O/DT	=Outdoor/Duct or Trunk		
O/DT/M	=Outdoor/Duct or Trunk/Metal(Ex. Al laminate)		