

# GenSPEED® Fiber-Copper Hybrid Cable

Distributed Antenna System (DAS) Applications

# Prysmian



Plenum Outer Jacket

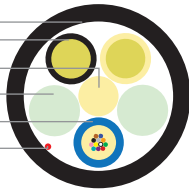
Plenum Insulated Copper Conductor

Central Strength Members

Plenum Fill Rod

Optical Fiber

Ripcord



## OVERVIEW

GenSPEED's indoor-outdoor plenum hybrid cable designs facilitate power and data solutions for IP devices. These cables incorporate either 12, 14 or 16 AWG copper conductors for remote powering with a central loose tube fiber subunit for data transmission. The overall installation burden is reduced by integrating these two vital network functions into a common cable sheath.

These cables combine a robust, flame retardant jacket material with our bend insensitive single-mode optical fibers. Because of its application diversity, this advanced product eliminates the necessity/expense for traditional cable transition points once required in legacy systems. This product is ideal for stadiums, DAS applications, campus environments, airports, parking garages and more.

### Mechanical Specifications

Maximum installation load: 100 lbf (445 N)  
Maximum operation load: 30 lbf (133 N)

### Temperature Range

Shipping and Storage: -40° F to +158° F (-40° C to +70° C)  
Installation: +32° F to +140° F (0° C to +60° C)  
Operation: -40° F to +158° F (-40° C to +70° C)

## SPECIFICATIONS & RATINGS

**Application** Versatile indoor-outdoor plenum rated cable offers solutions for power and data for IP devices.

**Construction** Hybrid

**Conductors** 2, 4, 6, & 12 Conductor 12AWG, 14AWG and 16AWG

**Flame Rating** Plenum CL3P-OF, CMP-OF and FPLP-OF

**Fiber Count** 2, 4, 6 and 12 Fiber

**Fiber Types** Single-mode (ESMF, bend-insensitive)

- Standards**
- Conforms to ANSI/ICEA S-120-742 Indoor/Outdoor Hybrid Fiber and Power Cable except water penetration
  - CE RoHS Compliant
  - UL 13 Power-Limited Circuit Cables
  - UL 1424 Power-Limited Fire-Alarm Circuit Cables
  - UL 444 Communications Cables (16AWG Only)
  - NEC/CEC Type CMX OUTDOOR-CMP
  - 720 hour UV Protection

**Registered Supplier** ISO 9001, ISO 14001, TL 9000 and OHSAS 18001

## FEATURES & BENEFITS

- Integrates copper power conductors with bend-insensitive optical fibers under a common sheath
- Plenum flame listing enables unrestricted routing within available pathways
- Facilitates placement of security remote units within buildings
- Fiber identification using TIA standardized color coding
- Flame-retardant and plenum compliant meeting NFPA-262
- Available with bend-insensitive single-mode optical fibers
- Will support all high performance networks

### Notes:

Outdoor rating allows the cable to be exposed for short distances outside of a building preferably inside a conduit or other protection. This cable is not intended to be aerially lashed.

This cable is not intended to be placed below grade; neither in conduit nor direct buried.

Cable jacket must remain unabrased to avoid water ingress. Water must not be allowed to ingress into the cable ends. The fiber component is water protected, but not the remainder of the cable.

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## Prysmian Group

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# GenSPEED® Fiber-Copper Hybrid Cable

## Distributed Antenna System (DAS) Applications



### Hybrid Plenum Cable (Indoor/Outdoor) – G.657.A2 Singlemode 12 AWG

Part Number	Cable Weight 1000'		Jacket Outer Diameter		Fiber Outer Diameter		Fiber Count	Conductor Count	AWG Size	Bend Radius LOAD		Bend Radius No LOAD	
	lb/kft	kg/km	Inches	mm	Inches	mm				Inches	cm	Inches	cm
DAS021202BXP	125	186	0.426	10.8	0.118	3.0	2	2	12	17	43.2	8.5	21.6
DAS041202BXP	165	146	0.426	10.8	0.118	3.0	2	4	12	17	43.2	8.5	21.6
DAS061202BXP	215	320	0.449	11.4	0.118	3.0	2	6	12	18	45.7	9	22.9
DAS121202BXP	385	573	0.557	14.1	0.118	3.0	2	12	12	22	55.9	11	27.9
DAS021206BXP	125	186	0.426	10.8	0.118	3.0	6	2	12	17	43.2	8.5	21.6
DAS041206BXP	165	246	0.426	10.8	0.118	3.0	6	4	12	17	43.2	8.5	21.6
DAS061206BXP	215	320	0.449	11.4	0.118	3.0	6	6	12	18	45.7	9	22.9
DAS121206BXP	385	573	0.557	14.1	0.118	3.0	6	12	12	22	55.9	11	27.9
DAS021212BXP	125	186	0.426	10.8	0.118	3.0	12	2	12	17	43.2	8.5	21.6
DAS041212BXP	165	246	0.426	10.8	0.118	3.0	12	4	12	17	43.2	8.5	21.6
DAS061212BXP	215	320	0.449	11.4	0.118	3.0	12	6	12	18	45.7	9	22.9
DAS121212BXP	385	573	0.557	14.1	0.118	3.0	12	12	12	22	55.9	11	27.9

### Hybrid Plenum Cable (Indoor/Outdoor) – G.657.A2 Singlemode 14 AWG

Part Number	Cable Weight 1000'		Jacket Outer Diameter		Fiber Outer Diameter		Fiber Count	Conductor Count	AWG Size	Bend Radius LOAD		Bend Radius No LOAD	
	lb/kft	kg/km	Inches	mm	Inches	mm				Inches	cm	Inches	cm
DAS021402BXP	100	149	0.339	8.6	0.098	2.5	2	2	14	13	33.0	6.5	16.5
DAS041402BXP	120	179	0.339	8.6	0.098	2.5	2	4	14	13	33.0	6.5	16.5
DAS061402BXP	150	223	0.394	10.0	0.098	2.5	2	6	14	15	38.1	7.5	19.1
DAS121402BXP	265	394	0.535	13.6	0.098	2.5	2	12	14	21	53.3	10.5	26.7
DAS021406BXP	100	149	0.339	8.6	0.098	2.5	6	2	14	13	33.0	6.5	16.5
DAS041406BXP	120	179	0.339	8.6	0.098	2.5	6	4	14	13	33.0	6.5	16.5
DAS061406BXP	150	223	0.394	10.0	0.098	2.5	6	6	14	15	38.1	7.5	19.1
DAS121406BXP	265	394	0.535	13.6	0.098	2.5	6	12	14	21	53.3	10.5	26.7
DAS021412BXP	100	149	0.339	8.6	0.098	2.5	12	2	14	13	33.0	6.5	16.5
DAS041412BXP	120	179	0.339	8.6	0.098	2.5	12	4	14	13	33.0	6.5	16.5
DAS061412BXP	150	223	0.394	10.0	0.098	2.5	12	6	14	15	38.1	7.5	19.1
DAS121412BXP	265	394	0.535	13.6	0.098	2.5	12	12	14	21	53.3	10.5	26.7

### Hybrid Plenum Cable (Indoor/Outdoor) – G.657.A2 Singlemode 16 AWG

Part Number	Cable Weight 1000'		Jacket Outer Diameter		Fiber Outer Diameter		Fiber Count	Conductor Count	AWG Size	Bend Radius LOAD		Bend Radius No LOAD	
	lb/kft	kg/km	Inches	mm	Inches	mm				Inches	cm	Inches	cm
DAS021602BXP	80	119	0.281	7.1	0.078	2.0	2	2	16	11	27.9	5.5	14.0
DAS041602BXP	90	134	0.281	7.1	0.078	2.0	2	4	16	11	27.9	5.5	14.0
DAS061602BXP	115	171	0.336	8.5	0.078	2.0	2	6	16	13	33.0	6.5	16.5
DAS121602BXP	200	298	0.441	11.2	0.078	2.0	2	12	16	18	45.7	9	22.9
DAS021606BXP	80	119	0.281	7.1	0.078	2.0	6	2	16	11	27.9	5.5	14.0
DAS041606BXP	90	134	0.281	7.1	0.078	2.0	6	4	16	11	27.9	5.5	14.0
DAS061606BXP	115	171	0.336	8.5	0.078	2.0	6	6	16	13	33.0	6.5	16.5
DAS121606BXP	200	298	0.441	11.2	0.078	2.0	6	12	16	18	45.7	9	22.9
DAS021612BXP	80	119	0.281	7.1	0.078	2.0	12	2	16	11	27.9	5.5	14.0
DAS041612BXP	90	134	0.281	7.1	0.078	2.0	12	4	16	11	27.9	5.5	14.0
DAS061612BXP	115	171	0.336	8.5	0.078	2.0	12	6	16	13	33.0	6.5	16.5
DAS121612BXP	200	298	0.441	11.2	0.078	2.0	12	12	16	18	45.7	9	22.9

