

**DataCom Offices:**

Drammen, Norway

Nässjö, Sweden

Brøndby, Denmark

Washington, United Kingdom

Amsterdam, The Netherlands

Cologne, Germany

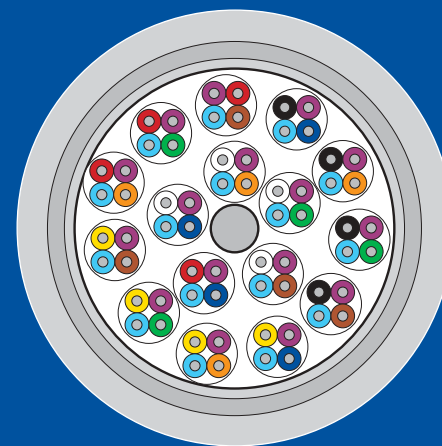
Sainte Genevieve, France

Vienna, Austria

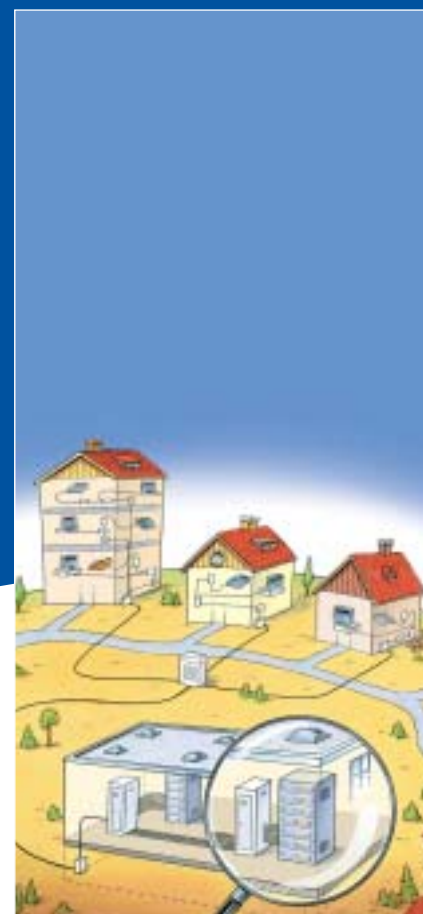
Barcelona, Spain

**TeleCom Office:**

Berlin, Germany



# CENTRAL OFFICE CABLES



*Your partner in quality cable solutions*

# CABLES FOR CENTRAL OFFICE

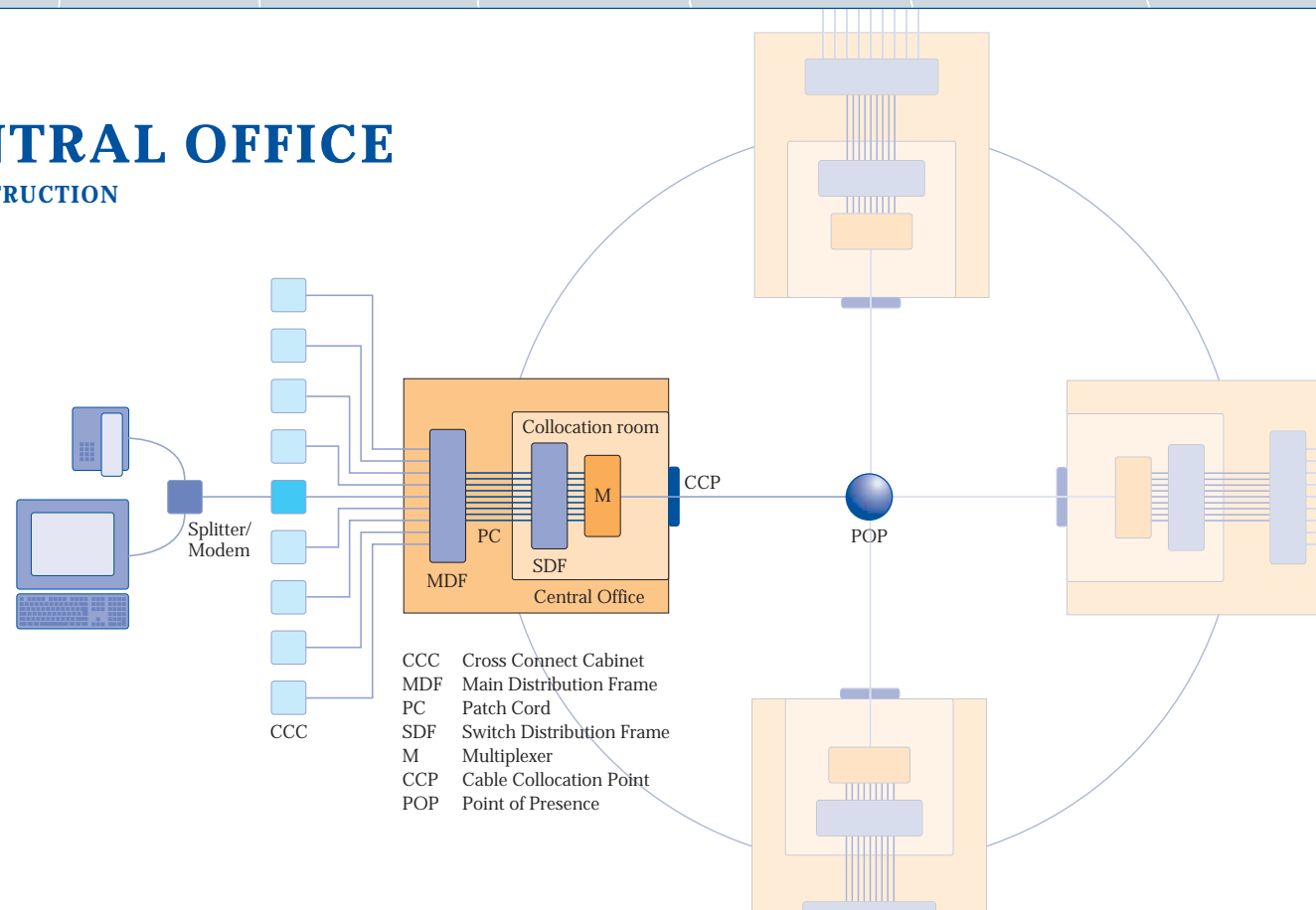
IN SYMMETRICAL AND COAXIAL CONSTRUCTION

**Draka Comteq: 11 companies strategically combined in the Draka Holding Group – are active in the data and telecommunication market worldwide.**

**We are your partner for high-quality data transmission cables, control cables for audio/video signals and switching cables for central offices. Our well sorted product scope combined with quick and flexible logistic services is your link to the digital future.**

**Central Office: xDSL is now state-of-the-art technology for high speed internet access; UMTS will be widely offered in the near future; WLAN technology and further implementation of „Hot-Spots“ are the basis for permanent mobility.**

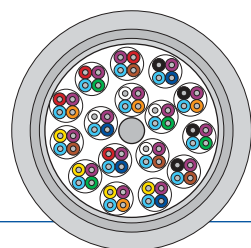
**Due to these developments old and new network operators have to adapt their services. Main topic: the „Central Office“ – a kind of computer centre for network operators. Increasing amount of switching and multiplex points need a large-scale cabling.**



- CCC Cross Connect Cabinet
- MDF Main Distribution Frame
- PC Patch Cord
- SDF Switch Distribution Frame
- M Multiplexer
- CCP Cable Collocation Point
- POP Point of Presence

	MATERIAL	DESCRIPTION	DIMENSION IN MM
<b>Conductor</b>	Copper, bare		0,4/0,5/0,6
	Copper, tinned		
<b>Insulation</b>	PVC	Y	0,66 – 2,2
	PE	2Y	
	Cellular PE	02Y, 02YS	
	Cellular PP	09Y, 09YS	
<b>Stranding</b>	<b>Conductor</b>	Pair	
		Pair shielded	
	<b>Element</b>	Quad	
		Layer	
<b>Screening</b>	Foil	St	
	Foil + Braid	(St)C	
<b>Outer Sheath</b>	PVC	Y	
	LSOH	H	
<b>Impedance</b>	100 Ω		
	120 Ω		
	135 Ω		
<b>Number of elements</b>	3, 6, 12, 20, 25, 32		
	2, 4, 8, 16, 24, 32, 64		
	25, 50, 100		

SYMMETRICAL



specifications and construction details of our Central Office Cables in symmetrical design

### Access network

In general new network operators are interested in owning their independent access network (higher flexibility and full independence). To install a complete new cable network is very expensive. Therefore in most cases subscriber access will be realized also by using the existing copper cable network. In the future it must be possible to install new equipment, like DSLAM or multiplexers inside the central office and to connect those components to the existing cable system.

### Specifications

Central Office cables manufactured by Draka Comteq fulfil the specifications of national and international network operators and equipment manufacturers. They are approved by Deutsche Telekom, Arcor, Belgacom, Matav, Nokia, ECI, Siemens and others.

### Requirements

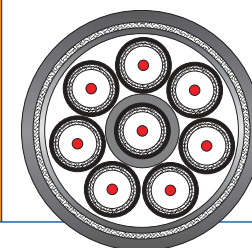
Our connecting cables fulfil high requirements concerning electrical and mechanical performance. Important for us: constant impedance (120 Ohm or 135 Ohm) and excellent Near End Crosstalk (NEXT). Within our product scope you will find 32 pairs cables with electrical performance acc. to CAT 5E level.

### Future proven products

We supply cables which are suitable for fully automated connection techniques, like „wire wrap“. High packing density requires small cable outer diameters; we achieve it by exact controlling of the conductor diameter and optimized conductor insulation.

	MATERIAL	DESCRIPTION	DIMENSION IN MM
<b>Inner Conductor</b>	Copper		0,23 – 1,6
	Copper Clad Steel		
<b>Insulation</b>	PE	2Y	1,45 – 10,0
	Cellular PE	02Y, 02YS	
<b>Outer Conductor</b>	Braid	C	
	Double Braid	CC	
	Foil + Braid	(St)C	
<b>Outer Sheath</b>	PVC	Y	
	LSOH	H	
<b>Impedance</b>	75 Ω		
<b>Number of elements</b>	1, 2, 8, 16		

COAXIAL



specifications and construction details of our Central Office Cables in coaxial design